

1 -Comp. Loc.: Fuses

1.1 Overview of Fuses

1 - Fuses on connector station right A-pillar

- ☐ Only right-hand drive

2 - Fuse Panel C -SC-

- ☐ Component Location, left-hand drive [⇒ F1.6 use Panel CSC, left-hand drive", page 27](#)
- ☐ Position of Fuses on, left-hand drive
[⇒ o1.7 f Fuses on Fuse Panel CSC, left-hand drive", page 28](#)

3 - Fuses on relay carrier behind instrument panel

Only right-hand drive

◆ Fuse 7 - terminal 30 -S210-

- ☐ Component Location and Position of Fuses on
[⇒ o1.10 n relay carrier behind instrument panel", page 36](#)

4 - Terminal 30 Wire Junction -TV2-

- ☐ Component Location and Position of Fuses on
[⇒ L1.16 ocation Terminal 30 Wire JunctionTV2 ", page 56](#)
- ☐ Component Location and Position of Fuses on, High-Voltage Models
[⇒ L1.17 ocation Terminal 30 Wire JunctionTV2, models with High-Voltage System", page 57](#)

5 - Fuse Panel F -SF-

- ☐ Component Location, through model year 2014
[⇒ F1.12.1 use Panel FSF, through model year 2014", page 38](#)
- ☐ Component Location, from model year 2015
[⇒ F1.12.2 use Panel FSF, from model year 2015", page 40](#)
- ☐ Position of Fuses on [⇒ o1.13 f Fuses on Fuse Panel FSF ", page 42](#)

6 - Not used

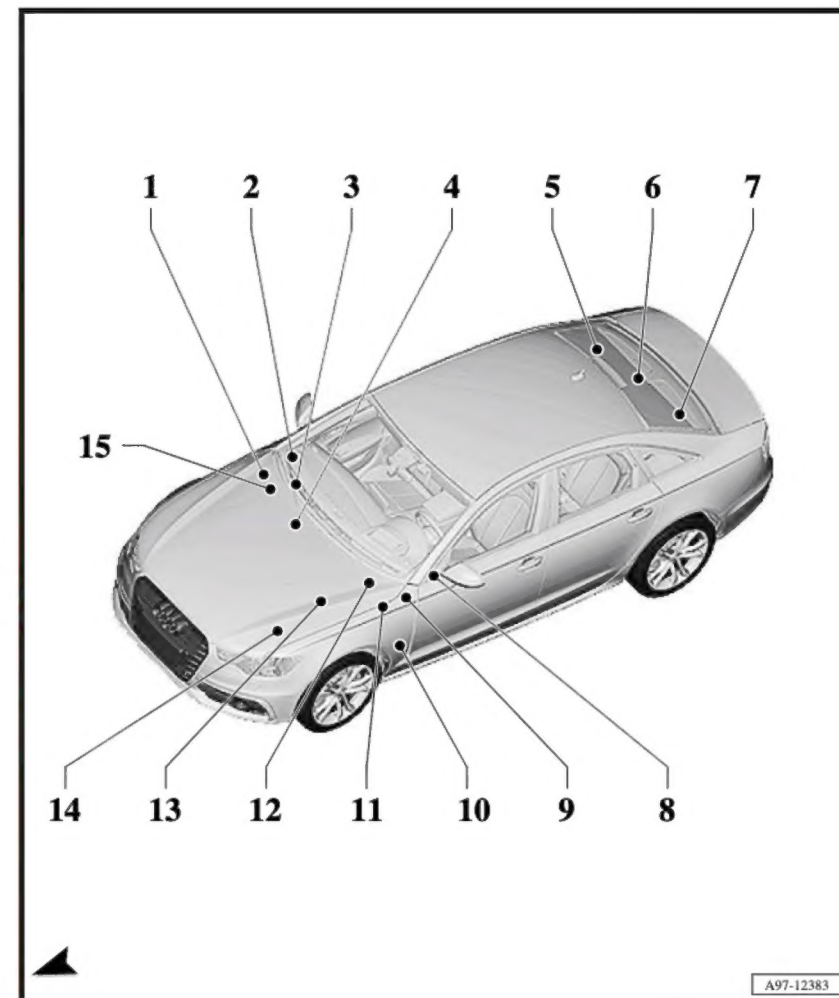
7 -

Main fuse on the Battery -A-

- ☐ Component Location and Position of Fuses on [⇒ f1.15 use carrier on BatteryA ", page 55](#)

- Wire Junction -TV1-, Models with High-Voltage System , from Week 47/2016

- ☐ Component Location and Position of Fuses on



A97-12383

8 - Fuse Panel B -SB-

- ☐ Component Location, left-hand drive ⇒ [F1.4 use Panel BSB, left-hand drive", page 17](#)
- ☐ Position of Fuses on, left-hand drive ⇒ [o1.5 f Fuses on Fuse Panel BSB, left-hand drive", page 19](#)

9 -

Fuses on the Auxiliary Relay Panel in the Relay Panel, behind Instrument Panel

- ☐ Component Location and Position of Fuses on ⇒ [o1.11 n auxiliary relay carrier in relay carrier behind instrument panel", page 37](#)

10 -

Fuse panel D -SD-

Only left-hand drive

- ☐ Component Location ⇒ [F1.8 use panel DSD ", page 32](#)
- ☐ Position of Fuses on ⇒ [o1.9 f Fuses on Fuse panel DSD ", page 34](#)

11 -

Fuses on connector station left A-pillar

- ☐ Component Location and Position of Fuses on, left-hand drive ⇒ [o1.14.1 n connector station left A-pillar, left-hand drive", page 54](#)

12 -

Fuse Panel A -SA- in electronics box plenum chamber

- ☐ Component Location, left-hand drive, except 6 cylinder diesel engine with engine code CRTD/C RTE/C RTE/CZVA/CZVB/CZVC/CZVD/CZVF ⇒ [F1.2 use Panel ASA ", page 3](#)
- ☐ Component Location, only 6 cylinder diesel engine with engine code CRTD/C RTE/C RTE/CZVA/CZVB/CZVC/CZVD/CZVF ⇒ [F1.2.2 use Panel ASA, only 6 Cylinder diesel engine with engine code CRTD/ CRTE/ CRTE/ CZVA/ CZVB/ CZVC/ CZVD/ CZVF", page 4](#)
- ☐ Position of Fuses on ⇒ [o1.3 f Fuses on Fuse Panel ASA ", page 5](#)

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13 -

Terminal 30 wire junction 2 -TV22-, Models with High-Voltage System

- ☐ Component Location and Position of Fuses on ⇒ [L1.18 ocation Terminal 30 wire junction 2TV22, models with High-Voltage System", page 58](#)

14 - Fuse Panel A -SA- in electronics box engine compartment

- ☐ only 6 Cylinder diesel engine with engine code CRTD/ CRTE/ CRTE/ CZVA/ CZVB/ CZVC/ CZVD/ CZVF
- ☐ Component Location ⇒ [F1.2.2 use Panel ASA, only 6 Cylinder diesel engine with engine code CRTD/ CRTE/ CRTE/ CZVA/ CZVB/ CZVC/ CZVD/ CZVF", page 4](#)
- ☐ Position of Fuses on ⇒ [o1.3.3 f Fuses on Fuse Panel ASA, 6-Cylinder Diesel Engine", page 10](#)

15 - Battery Jump Start Terminal -U6-

- ☐ Component Location and Assignment ⇒ [L1.19 ocation Battery Jump Start TerminalU6 ", page 59](#)

1.2 Fuse Panel A -SA-

⇒ L1.2.1 ocation Fuse Panel ASA, left-hand drive, except 6 cylinder diesel engine with engine code CRTD/CRTE/CRTF/
CZVA/CZVB/CZVC/CZVD/CZVF", page 3

1.2.1 Component Location Fuse Panel A -SA-, left-hand drive, except 6 cylinder diesel engine with engine code CRTD/CRTE/ CRTF/CZVA/CZVB/CZVC/CZVD/CZVF

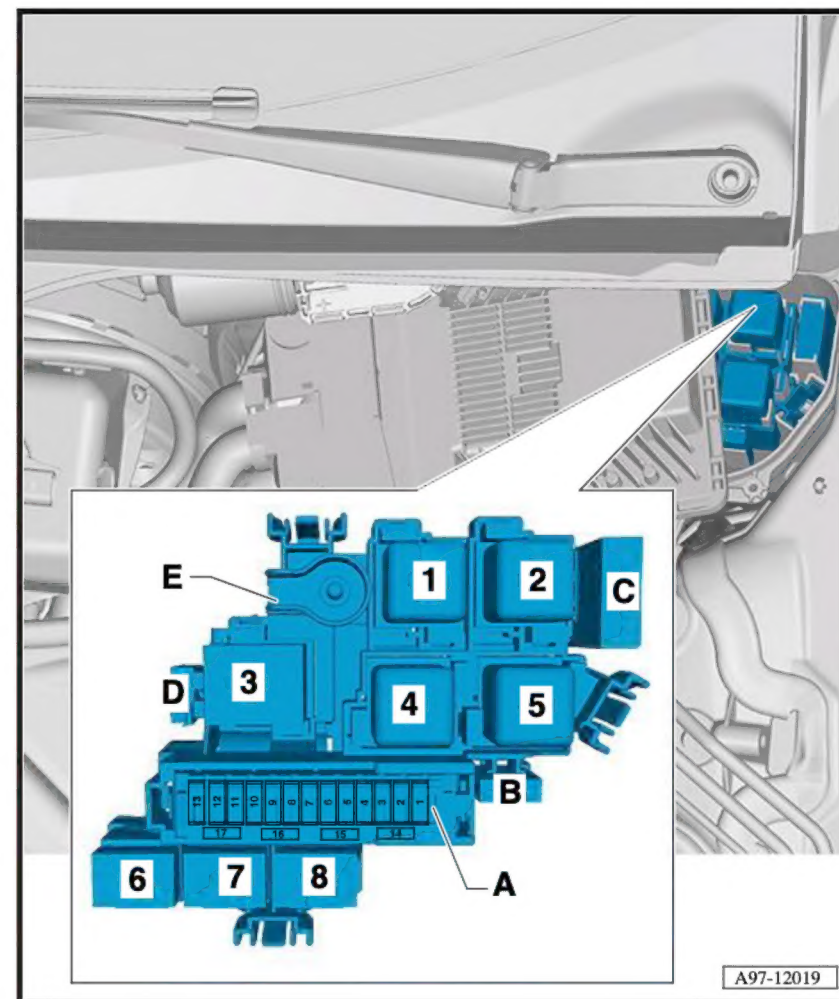
In Electronics Box (in plenum chamber, left)

A - Fuse Panel A -SA-

- ❑ Position of Fuses on, 4 Cylinder Gasoline Engine
⇒ o1.3.1 f Fuses on Fuse Panel ASA, 4 Cylinder Gasoline Engine", page 5
- ❑ Position of Fuses on, 6 Cylinder Gasoline Engine
⇒ o1.3.2 f Fuses on Fuse Panel ASA, 6 Cylinder Gasoline Engine", page 8
- ❑ Position of Fuses on, 6 Cylinder Diesel Engine
⇒ o1.3.3 f Fuses on Fuse Panel ASA, 6-Cylinder Diesel Engine", page 10
- ❑ Position of Fuses on, 8 Cylinder Gasoline Engine
⇒ o1.3.4 f Fuses on Fuse Panel ASA 8 Cylinder Gasoline Engine" page 12

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown



B - Not used

C - Secondary Air Injection (AIR) Pump Fuse -S130-, 50 A

☐ for vehicles with gasoline engine

C - Glow Plugs Fuse -S125-, 60 A/ 80 A/ 125 A

☐ for vehicles with Diesel Engine

D - Automatic transmission control module fuse -S113-, 50 A

☐ Only models with 7-speed 0CK dual clutch gearbox

D - Fuse 7 - terminal 30 -S210-, 50 A

☐ Only models with high-voltage system

E - Terminal 30

Back to overview [⇒ o1.1 f Fuses", page 1](#) .

1.2.2 Fuse Panel A -SA-, only 6 Cylinder diesel engine with engine code CRTD/ CRTE/ CRTF/ CZVA/ CZVB/ CZVC/ CZVD/ CZVF

Component Location

In electronics box engine compartment, front left.

A - Glow Plugs Fuse -S125-, 125 A

B - Automatic transmission control module fuse -S113-, 60 A

☐ Only models with 7-speed 0CK dual clutch gearbox

C - Fuse Panel A -SA-

☐ Position of Fuses on
[⇒ o1.3.3 f Fuses on Fuse Panel ASA, 6-Cylinder Diesel Engine", page 10](#)

Fuse Colours

◆ 40 A - orange

◆ 30 A - light-green

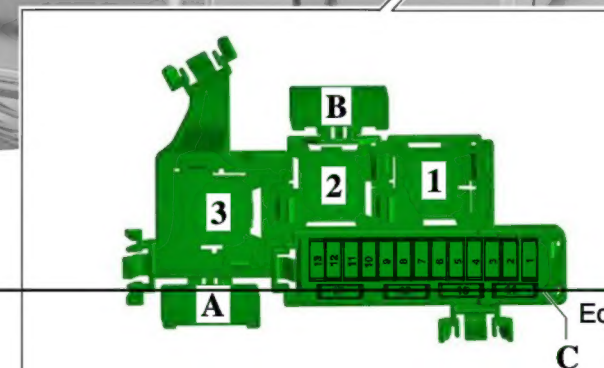
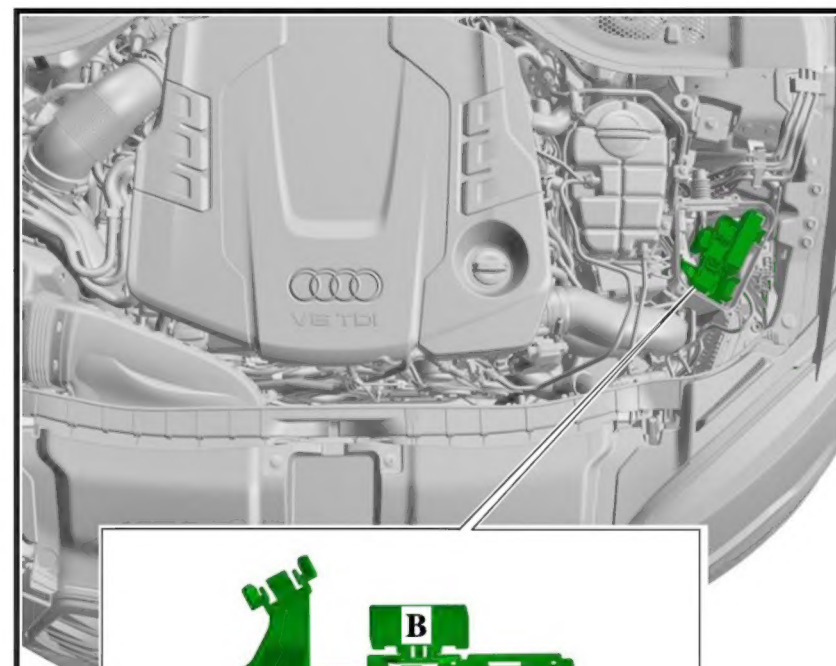
◆ 25 A - clear

◆ 20 A - yellow

◆ 15 A - light-blue

◆ 10 A - red

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- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

Back to overview ⇒ [o1.1 f Fuses", page 1](#) .

1.3 Position of Fuses on Fuse Panel A -SA-

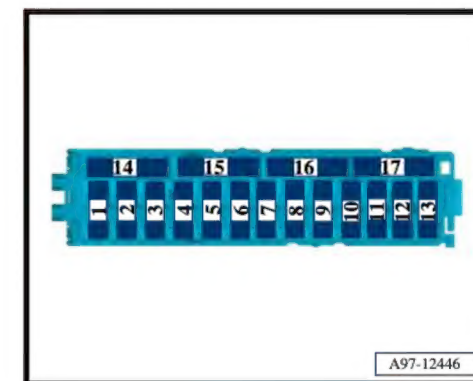
⇒ [o1.3.1 f Fuses on Fuse Panel ASA, 4 Cylinder Gasoline Engine", page 5](#)

⇒ [o1.3.2 f Fuses on Fuse Panel ASA, 6 Cylinder Gasoline Engine", page 8](#)

⇒ [o1.3.3 f Fuses on Fuse Panel ASA, 6-Cylinder Diesel Engine", page 10](#)

⇒ [o1.3.4 f Fuses on Fuse Panel ASA, 8 Cylinder Gasoline Engine", page 12](#)

1.3.1 Position of Fuses on Fuse Panel A -SA-, 4 Cylinder Gasoline Engine



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel A) -SA1-	10 A ¹⁾ 15 A ²⁾	- Transmission Control Module (TCM) -J217- ³⁾ - Transmission Electric Pump 2 -V553- ⁴⁾	30
2	- Fuse 2 (on fuse panel A) -SA2-	5 A	- Oil Level Thermal Sensor -G266-	15
3	- Fuse 3 (on fuse panel A) -SA3-	5 A	- Mass Airflow Sensor -G70- ⁵⁾ , ⁸⁾ , ⁹⁾ - Engine Control Module (ECM) -J623- - Electric Drive Power and Control Electronics -JX1- ⁸⁾	15
4	- Fuse 4 (on fuse panel A) -SA4-	5 A	- Engine Control Module (ECM) -J623-	30

5	- Fuse 5 (on fuse panel A) -SA5-	10 A ^{5), 8), 9)} 15 A ^{6), 7)}	- Actuator 1 for camshaft adjustment -F366- ^{6), 7)} Actuator 2 for camshaft adjustment -F367- ^{6), 7)} Actuator 3 for camshaft adjustment -F368- ^{6), 7)} Actuator 4 for camshaft adjustment -F369- ^{6), 7)} Actuator 5 for camshaft adjustment -F370- ^{6), 7)} Actuator 6 for camshaft adjustment -F371- ^{6), 7)} Actuator 7 for camshaft adjustment -F372- ^{6), 7)} Actuator 8 for camshaft adjustment -F373- ^{6), 7)} Fuel Pressure Regulator Valve -N276- ^{5), 8), 9)} Electric drive coolant valve -N565- ⁸⁾	87
6	- Fuse 6 (on fuse panel A) -SA6-	15 A	- Engine Control Module (ECM) -J623- ^{5), 8)}	87
7	- Fuse 7 (on fuse panel A) -SA7-	15 A	- Actuator 1 for camshaft adjustment -F366- ^{5), 8), 9)} Actuator 2 for camshaft adjustment -F367- ^{5), 8), 9)} Actuator 3 for camshaft adjustment -F368- ^{5), 8), 9)} Actuator 4 for camshaft adjustment -F369- ^{5), 8), 9)} Actuator 5 for camshaft adjustment -F370- ^{5), 8), 9)} Actuator 6 for camshaft adjustment -F371- ^{5), 8), 9)} Actuator 7 for camshaft adjustment -F372- ^{5), 8), 9)} Actuator 8 for camshaft adjustment -F373- ^{5), 8), 9)} Secondary Air Injection (AIR) Pump Relay -J299- ^{8), 9)} Wastegate Bypass Regulator Valve -N75- ^{5), 8), 9)} Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- Secondary Air Injection (AIR) Solenoid Valve -N112- ^{8), 9)} Left Electrohydraulic Engine Mounting Regulator Valve -N144- ^{5), 8), 9)} Right Electrohydraulic Engine Mounting Regulator Valve -N145- ^{8), 9)} Camshaft Adjustment Valve 1 -N205- Turbocharger Recirculating Valve -N249- Intake Manifold Runner Control (IMRC) Valve -N316- Camshaft Adjustment Valve 1 (exhaust) -N318- ^{6), 7)} Oil Pressure Regulation Valve -N428- Piston Cooling Nozzle control Valve -N522- ^{6), 7)} Coolant Pump -V36- ⁹⁾ After-Run Coolant Pump -V51- ^{5), 8), 9)} High Temperature Circuit Coolant Pump -V467- ⁸⁾ Transmission fluid cooling pump -V478- ⁸⁾	87
8	- Fuse 8 (on fuse panel A) -SA8-	5 A	- Battery Regulation Control Module -J840-/Electric Drive Power and Control Electronics -JX1- ^{8), 9)}	30
9	- Fuse 9 (on fuse panel A) -SA9-	5 A	- Voltage Stabilizer -J532- Engine Control Module (ECM) -J623-	50

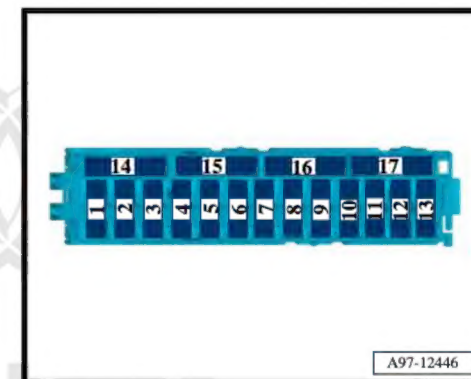
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10	- Fuse 10 (on fuse panel A) -SA10-	15 A ⁵⁾ 5 A ^{6), 7)}	- Left Electrohydraulic Engine Mounting Regulator Valve -N144- ^{6), 7)} Right Electrohydraulic Engine Mounting Regulator Valve -N145- ⁷⁾ After-Run Coolant Pump -V51- ^{6), 7)} Oxygen Sensor (O2S) Heater -Z19- ^{5), 8)} Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- ⁵⁾	87
11	- Fuse 11 (on fuse panel A) -SA11-	5 A	- Coolant fan control module -J293- ^{5), 6), 7), 8)}	87
12	- Fuse 12 (on fuse panel A) -SA12-	5 A	- Transmission Control Module (TCM) -J217-	15
13	- Fuse 13 (on fuse panel A) -SA13-	5 A	- A/C Compressor Control Module -J842-/Electrical A/C Compressor -V470- ^{8), 9)}	30
14	- Fuse 14 (on fuse panel A) -SA14-	20 A	- Ignition Coil 1 with Power Output Stage -N70- Ignition Coil 2 with Power Output Stage -N127- Ignition Coil 3 with Power Output Stage -N291- Ignition Coil 4 with Power Output Stage -N292-	87
15	- Fuse 15 (on fuse panel A) -SA15-	15 A	- Oxygen Sensor (O2S) Heater -Z19- ^{6), 7), 9)}	87
16	- Fuse 16 (on fuse panel A) -SA16-	15 A	- Engine Control Module (ECM) -J623- ^{6), 7), 9)} Cylinder 1 Fuel Injector 2 -N532- ^{6), 7)} Cylinder 2 Fuel Injector 2 -N533- ^{6), 7)} Cylinder 3 Fuel Injector 2 -N534- ^{6), 7)} Cylinder 4 Fuel Injector 2 -N535- ^{6), 7)}	87
17	- Fuse 17 (on fuse panel A) -SA17-	10 A ⁸⁾ 15 A ^{6), 7)}	- Low Temperature Circuit Coolant Pump -V468- ⁸⁾ Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- ^{6), 7)}	87

- ◆ 1) Only models with multitronic 0AW (variable speed automatic transmission)
- ◆ 2) Except models with multitronic 0AW (variable speed automatic transmission)
- ◆ 3) Except models with 7-speed 0CK dual clutch gearbox
- ◆ 4) Only models with 7-speed 0CK dual clutch gearbox
- ◆ 5) Only engine codes CAEB, CAED, CDNB, CDZA
- ◆ 6) Only engine codes CUHA, CYNB, CYPA, CYPB
- ◆ 7) Only engine codes CYGA, CYYA
- ◆ 8) Only engine code CHJA
- ◆ 9) Only engine code CPEA

Back to overview ⇒ [F1.2 use Panel ASA", page 3](#) .

1.3.2 Position of Fuses on Fuse Panel A -SA-, 6 Cylinder Gasoline Engine



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel A) -SA1-	10 A ¹⁾ 15 A ²⁾	- Transmission Control Module (TCM) -J217- ³⁾ Transmission Electric Pump 2 -V553- ⁴⁾	30
2	- Fuse 2 (on fuse panel A) -SA2-	5 A	- Oil Level Thermal Sensor -G266-	15
3	- Fuse 3 (on fuse panel A) -SA3-	5 A	- Engine Control Module (ECM) -J623-	15
4	- Fuse 4 (on fuse panel A) -SA4-	5 A	- Engine Control Module (ECM) -J623-	30
5	- Fuse 5 (on fuse panel A) -SA5-	10 A ⁵⁾ , 6), 7), 8) 7.5 A ⁹⁾	- Fuel Metering Valve -N290- ^{5), 6), 7), 8)} A/C Compressor Clutch -N421- ⁹⁾	87
6	- Fuse 6 (on fuse panel A) -SA6-	15 A	- Secondary Air Injection (AIR) Pump Relay -J299- ^{8), 9)} Auxiliary Engine Coolant (EC) Pump Relay -J496- ⁸⁾ Engine Control Module (ECM) -J623- ^{5), 6), 7)} Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- ^{8), 9)} Secondary Air Injection (AIR) Solenoid Valve -N112- ^{8), 9)} Intake Manifold Tuning (IMT) Valve -N156- ⁹⁾ Oil Pressure Regulation Valve -N428- ^{8), 9)} Cylinder Head Coolant Valve -N489- ^{8), 9)} Crankcase ventilation housing switch-off valve -N548- ^{8), 9)} Engine oil cooler valve -N554- ⁹⁾	87

7	- Fuse 7 (on fuse panel A) -SA7-	15 A	- Actuator 1 for camshaft adjustment -F366- 5), 6), 8) Actuator 2 for camshaft adjustment -F367- 5), 6), 8) Actuator 3 for camshaft adjustment -F368- 5), 6), 8) Actuator 4 for camshaft adjustment -F369- 5), 6), 8) Actuator 5 for camshaft adjustment -F370- 5), 6), 8) Actuator 6 for camshaft adjustment -F371- 5), 6), 8) Actuator 7 for camshaft adjustment -F372- 5), 6), 8) Actuator 8 for camshaft adjustment -F373- 5), 6), 8) Actuator 9 for camshaft adjustment -F374- 5), 6), 8) Actuator 10 for camshaft adjustment -F375- 5), 6), 8) Actuator 11 for camshaft adjustment -F376- 5), 6), 8) Actuator 12 for camshaft adjustment -F377- 5), 6), 8) Camshaft Adjustment Valve 1 -N205- Camshaft Adjustment Valve 2 -N208- Intake Manifold Runner Control (IMRC) Valve -N316- 7), 9) Camshaft Adjustment Valve 1 (exhaust) -N318- 5), 6), 8), 9) Camshaft Adjustment Valve 2 (exhaust) -N319- 5), 6), 8), 9)	87
8	- Fuse 8 (on fuse panel A) -SA8-	15 A	- Cylinder 1 Fuel Injector 2 -N532- 9) Cylinder 2 Fuel Injector 2 -N533- 9) Cylinder 3 Fuel Injector 2 -N534- 9) Cylinder 4 Fuel Injector 2 -N535- 9) Cylinder 5 Fuel Injector 2 -N536- 9) Cylinder 6 Fuel Injector 2 -N537- 9)	87
9	- Fuse 9 (on fuse panel A) -SA9-	5 A	- Voltage Stabilizer -J532- Engine Control Module (ECM) -J623-	50
10	- Fuse 10 (on fuse panel A) -SA10-	15 A 5), 6), 7) 10 A 9)	- Oxygen Sensor (O2S) Heater -Z19- 5), 6), 7) Oxygen Sensor (O2S) Heater 2 -Z28- 5), 6), 7) Left Electrohydraulic Engine Mounting Regulator Valve -N144- 9) Right Electrohydraulic Engine Mounting Regulator Valve -N145- 9) Charge Air Cooling Pump -V188- 9)	87
11	- Fuse 11 (on fuse panel A) -SA11-	5 A	- Coolant fan control module -J293- Coolant Fan Control (FC) Control Module 2 -J671- 6), 7), 9)	87
12	- Fuse 12 (on fuse panel A) -SA12-	5 A	- Transmission Control Module (TCM) -J217-	15
13	- Fuse 13 (on fuse panel A) -SA13-	5 A	- Transmission Oil Cooling Valve -N509-	15
14	- Fuse 14 (on fuse panel A) -SA14-	20 A	- Ignition Coil 1 with Power Output Stage -N70- Ignition Coil 2 with Power Output Stage -N127- Ignition Coil 3 with Power Output Stage -N291- Ignition Coil 4 with Power Output Stage -N292- Ignition Coil 5 with Power Output Stage -N323- Ignition Coil 6 with Power Output Stage -N324-	87

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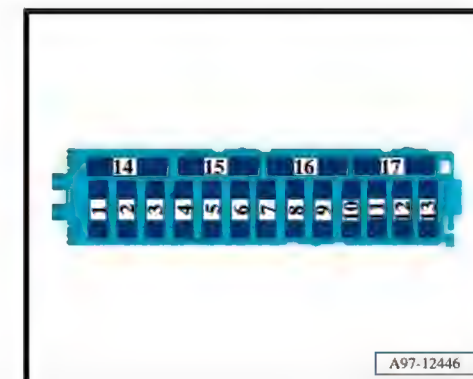
15	- Fuse 15 (on fuse panel A) -SA15-	20 A	- Oxygen Sensor (O2S) Heater -Z19- 8), 9) Oxygen Sensor (O2S) Heater 2 -Z28- 8), 9)	87
16	- Fuse 16 (on fuse panel A) -SA16-	15 A 5), 6), 7) 20 A 8), 9)	- Secondary Air Injection (AIR) Pump Relay -J299- 5), 6), 7) Auxiliary Engine Coolant (EC) Pump Relay -J496- 6), 7) Engine Control Module (ECM) -J623- 8), 9) Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- 5), 6), 7) Secondary Air Injection (AIR) Solenoid Valve -N112- 5), 6), 7) Left Electrohydraulic Engine Mounting Regulator Valve -N144- 7) Right Electrohydraulic Engine Mounting Regulator Valve -N145- 7) Intake Manifold Tuning (IMT) Valve -N156- 5), 6) Secondary Air Injection (AIR) Solenoid Valve 2 -N320- 7) Oil Pressure Regulation Valve -N428- 5), 6), 7) Cylinder Head Coolant Valve -N489- 5), 6), 7) Crankcase ventilation housing switch-off valve -N548- 5), 6), 7) Charge Air Cooling Pump -V188- 7)	87
17	- Fuse 17 (on fuse panel A) -SA17-	15 A 5), 6), 7) 20 A 8), 9)	- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- Oxygen Sensor (O2S) Heater 2 (behind Three Way Catalytic Converter (TWC) -Z30-	87

- ◆ 1) Only models with multitronic 0AW (variable speed automatic transmission)
- ◆ 2) Except models with multitronic 0AW (variable speed automatic transmission)
- ◆ 3) Except models with 7-speed 0CK dual clutch gearbox
- ◆ 4) Only models with 7-speed 0CK dual clutch gearbox
- ◆ 5) Only engine codes CLXA, CLXB
- ◆ 6) Only engine codes CHVA, CNYB
- ◆ 7) Only engine codes CGWB, CGWD, CGXB, CHMA, CTTA, CTUA
- ◆ 8) Only engine code CVPA
- ◆ 9) Only engine codes CREC, CREH, CTDB

Back to overview ⇒ [F1.2 use Panel ASA", page 3](#) .

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1.3.3 Position of Fuses on Fuse Panel A -SA-, 6-Cylinder Diesel Engine

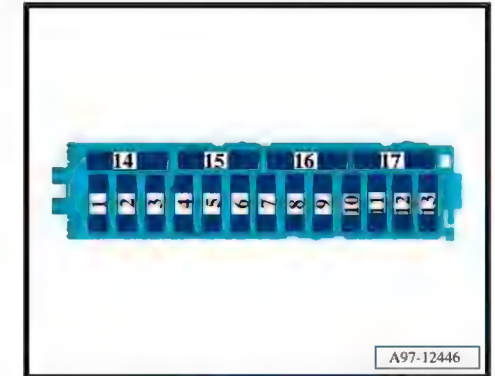


No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel A) -SA1-	10 A ¹⁾ 15 A ²⁾	- Transmission Control Module (TCM) -J217- ³⁾ Transmission Electric Pump 2 -V553- ⁴⁾	30
2	- Fuse 2 (on fuse panel A) -SA2-	5 A	- Oil Level Thermal Sensor -G266-	87
3	- Fuse 3 (on fuse panel A) -SA3-	5 A	- Engine Control Module (ECM) -J623- Catalytic converter heating control module 1 -J1021- ^{5), 6)}	15
4	- Fuse 4 (on fuse panel A) -SA4-	5 A	- Engine Control Module (ECM) -J623-	30
5	- Fuse 5 (on fuse panel A) -SA5-	5 A	- Mass Airflow Sensor -G70-	87
6	- Fuse 6 (on fuse panel A) -SA6-	15 A	- Engine Control Module (ECM) -J623-	87
7	- Fuse 7 (on fuse panel A) -SA7-	10 A	- Fuel Pressure Regulator Valve -N276- Fuel Metering Valve -N290-	87
8	- Fuse 8 (on fuse panel A) -SA8-	5 A ^{8), 9), 10)} 10 A ^{5), 6), 7)}	- Particulate sensor -G784- ^{5), 6), 7)} NOx sensor control module -J583- ^{5), 6), 7), 8), 9)} NOX Sensor 2 Control Module -J881-	87
9	- Fuse 9 (on fuse panel A) -SA9-	5 A	- Voltage Stabilizer -J532- Engine Control Module (ECM) -J623-	50
10	- Fuse 10 (on fuse panel A) -SA10-	10 A	- Oxygen Sensor (O2S) Heater -Z19-	87
11	- Fuse 11 (on fuse panel A) -SA11-	5 A	- Coolant fan control module -J293- Coolant Fan Control (FC) Control Module 2 -J671-	87
12	- Fuse 12 (on fuse panel A) -SA12-	5 A	- Transmission Control Module (TCM) -J217-	15
13	- Fuse 13 (on fuse panel A) -SA13-	5 A	- Transmission Oil Cooling Valve -N509-	15
14	- Not used	-	-	-
15	- Fuse 15 (on fuse panel A) -SA15-	35 A	- Supply Fuse Carrier 3 -ST3- in Fuse Panel B -SB- ^{9), 10)}	87

- ◆ 1) Only models with multitronic 0AW (variable speed automatic transmission)
- ◆ 2) Except models with multitronic 0AW (variable speed automatic transmission)
- ◆ 3) Except models with 7-speed 0CK dual clutch gearbox
- ◆ 4) Only models with 7-speed 0CK dual clutch gearbox
- ◆ 5) Only engine codes CDUD, CTCB, CTCC, CPNB (from September 2014)
- ◆ 6) Only engine codes CVUA, CVUB
- ◆ 7) Only engine codes CDUC, CDUD, CLAA, CLAB, CKVB, CKVC, CPNB (from September 2014)
- ◆ 8) Only engine code CGQB
- ◆ 9) Only engine codes CZVA, CZVB, CZVC, CZVD, CZVF
- ◆ 10) Only engine codes CRTD, CRTE, CRTF

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Edition 10/2021



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel A) -SA1-	15 A	- Transmission Control Module (TCM) -J217-	30
2	- Fuse 2 (on fuse panel A) -SA2-	5 A	- Oil Level Thermal Sensor -G266-	15
3	- Fuse 3 (on fuse panel A) -SA3-	5 A	- Engine Control Module (ECM) -J623-	15
4	- Fuse 4 (on fuse panel A) -SA4-	5 A	- Engine Control Module (ECM) -J623-	30
5	- Fuse 5 (on fuse panel A) -SA5-	10 A	- Fuel Metering Valve -N290- Fuel Metering Valve 2 -N402-	87

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6	- Fuse 6 (on fuse panel A) -SA6-	15 A	- Map Controlled Engine Cooling Thermostat -F265- 1) Cylinder 2 intake cam actuator 1 -F452- 1) Cylinder 2 intake cam actuator 2 -F453- 1) Cylinder 2 exhaust camshaft adjuster 1 -F454- 1) Cylinder 2 exhaust camshaft adjuster 2 -F455- 1) Cylinder 3 intake cam actuator 1 -F456- 1) Cylinder 3 intake cam actuator 2 -F457- 1) Cylinder 3 exhaust camshaft adjuster 1 -F458- 1) Cylinder 3 exhaust camshaft adjuster 2 -F459- 1) Cylinder 5 intake cam actuator 1 -F464- 1) Cylinder 5 intake cam actuator 2 -F465- 1) Cylinder 5 exhaust camshaft adjuster 1 -F466- 1) Cylinder 5 exhaust camshaft adjuster 2 -F467- 1) Cylinder 8 intake cam actuator 1 -F476- 1) Cylinder 8 intake cam actuator 2 -F477- 1) Cylinder 8 exhaust camshaft adjuster 1 -F478- 1) Cylinder 8 exhaust camshaft adjuster 2 -F479- 1) Secondary Air Injection (AIR) Pump Relay -J299- 1) Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- 1) Secondary Air Injection (AIR) Solenoid Valve -N112- 1) Turbocharger Recirculating Valve -N249- 1) Intake Manifold Runner Control (IMRC) Valve -N316- 1) Secondary Air Injection (AIR) Solenoid Valve 2 -N320- 1) Turbocharger recirculation valve bank 2 -N427- 1) Oil Pressure Regulation Valve -N428- 1) Cylinder Head Coolant Valve -N489- 1) Piston Cooling Nozzle control Valve -N522- 1) After-Run Coolant Pump -V51- 1) Coolant recirculation pump 2 -V178- 1) Charge Air Cooling Pump -V188- 1)	87
7	- Fuse 7 (on fuse panel A) -SA7-	15 A	- Wastegate Bypass Regulator Valve -N75- Camshaft Adjustment Valve 1 -N205- Camshaft Adjustment Valve 2 -N208- Camshaft Adjustment Valve 1 (exhaust) -N318- Camshaft Adjustment Valve 2 (exhaust) -N319-	87
8	- Not used		-	
9	- Fuse 9 (on fuse panel A) -SA9-	5 A	- Voltage Stabilizer -J532- Engine Control Module (ECM) -J623-	50
10	- Fuse 10 (on fuse panel A) -SA10-	15 A	- Oxygen Sensor (O2S) Heater -Z19- 2) Oxygen Sensor (O2S) Heater 2 -Z28- 2)	87
11	- Fuse 11 (on fuse panel A) -SA11-	5 A	- Coolant fan control module -J293- Coolant Fan Control (FC) Control Module 2 -J671-	87

12	- Fuse 12 (on fuse panel A) -SA12-	5 A	- Transmission Control Module (TCM) -J217-	15
13	- Fuse 13 (on fuse panel A) -SA13-	5 A	- Transmission Oil Cooling Valve -N509-	15
14	- Fuse 14 (on fuse panel A) -SA14-	30 A	- Ignition Coil 1 with Power Output Stage -N70- Ignition Coil 2 with Power Output Stage -N127- Ignition Coil 3 with Power Output Stage -N291- Ignition Coil 4 with Power Output Stage -N292- Ignition Coil 5 with Power Output Stage -N323- Ignition Coil 6 with Power Output Stage -N324- Ignition Coil 7 with Power Output Stage -N325- Ignition Coil 8 with Power Output Stage -N326-	30
15	- Fuse 15 (on fuse panel A) -SA15-	15 A ¹⁾ 25 A ²⁾	- Engine Control Module (ECM) -J623- ²⁾ Oxygen Sensor (O2S) Heater -Z19- ¹⁾ Oxygen Sensor (O2S) Heater 2 -Z28- ¹⁾	87

16	- Fuse 16 (on fuse panel A) -SA16-	15 A ²⁾ 25 A ¹⁾	- Map Controlled Engine Cooling Thermostat -F265- ²⁾ Cylinder 2 intake cam actuator 1 -F452- ²⁾ Cylinder 2 intake cam actuator 2 -F453- ²⁾ Cylinder 2 exhaust camshaft adjuster 1 -F454- ²⁾ Cylinder 2 exhaust camshaft adjuster 2 -F455- ²⁾ Cylinder 3 intake cam actuator 1 -F456- ²⁾ Cylinder 3 intake cam actuator 2 -F457- ²⁾ Cylinder 3 exhaust camshaft adjuster 1 -F458- ²⁾ Cylinder 3 exhaust camshaft adjuster 2 -F459- ²⁾ Cylinder 5 intake cam actuator 1 -F464- ²⁾ Cylinder 5 intake cam actuator 2 -F465- ²⁾ Cylinder 5 exhaust camshaft adjuster 1 -F466- ²⁾ Cylinder 5 exhaust camshaft adjuster 2 -F467- ²⁾ Cylinder 8 intake cam actuator 1 -F476- ²⁾ Cylinder 8 intake cam actuator 2 -F477- ²⁾ Cylinder 8 exhaust camshaft adjuster 1 -F478- ²⁾ Cylinder 8 exhaust camshaft adjuster 2 -F479- ²⁾ Secondary Air Injection (AIR) Pump Relay -J299- ²⁾ Engine Control Module (ECM) -J623- ¹⁾ Evaporative Emission (EVAP) Canister Purge Regulator Valve 1 -N80- ²⁾ Secondary Air Injection (AIR) Solenoid Valve -N112- ²⁾ Turbocharger Recirculating Valve -N249- ²⁾ Intake Manifold Runner Control (IMRC) Valve -N316- ²⁾ Secondary Air Injection (AIR) Solenoid Valve 2 -N320- ²⁾ Turbocharger recirculation valve bank 2 -N427- ²⁾ Oil Pressure Regulation Valve -N428- ²⁾ Cylinder Head Coolant Valve -N489- ²⁾ Piston Cooling Nozzle control Valve -N522- ²⁾ After-Run Coolant Pump -V51- ²⁾ Coolant recirculation pump 2 -V178- ²⁾ Charge Air Cooling Pump -V188- ²⁾	87
17	- Fuse 17 (on fuse panel A) -SA17-	15 A	- Oxygen Sensor (O2S) Heater 1 (behind Three Way Catalytic Converter (TWC) -Z29- Oxygen Sensor (O2S) Heater 2 (behind Three Way Catalytic Converter (TWC) -Z30-	87

♦ ¹⁾ Only engine codes CTGB, CTGE (from October 2014) CWUB (from September 2015), CWUC

♦ ²⁾ Only engine codes CEUC, CEUD, CRDA, CRDB, CTGE (from Juni 2011), CWUA, CWUB (from November 2012)

Back to overview ⇒ [F1.2 use Panel ASA", page 3](#)

1.4 Fuse Panel B -SB-, left-hand drive

⇒ F1.4.1 use Panel BSB, through model year 2014", page 17

⇒ F1.4.2 use Panel BSB, from model year 2015", page 18

1.4.1 Fuse Panel B -SB-, through model year 2014

ST1 - Fuse Carrier 1 -ST1-, black

❑ Position of Fuses on

⇒ o1.5.1 f Fuses on Fuse Carrier 1ST1, black, through model year 2014", page 19

ST2 - Fuse Carrier 2 -ST2-, brown

❑ Position of Fuses on

⇒ o1.5.3 f Fuses on Fuse Carrier 2ST2, brown, through model year 2014", page 22

ST3 - Fuse Carrier 3 -ST3-, red

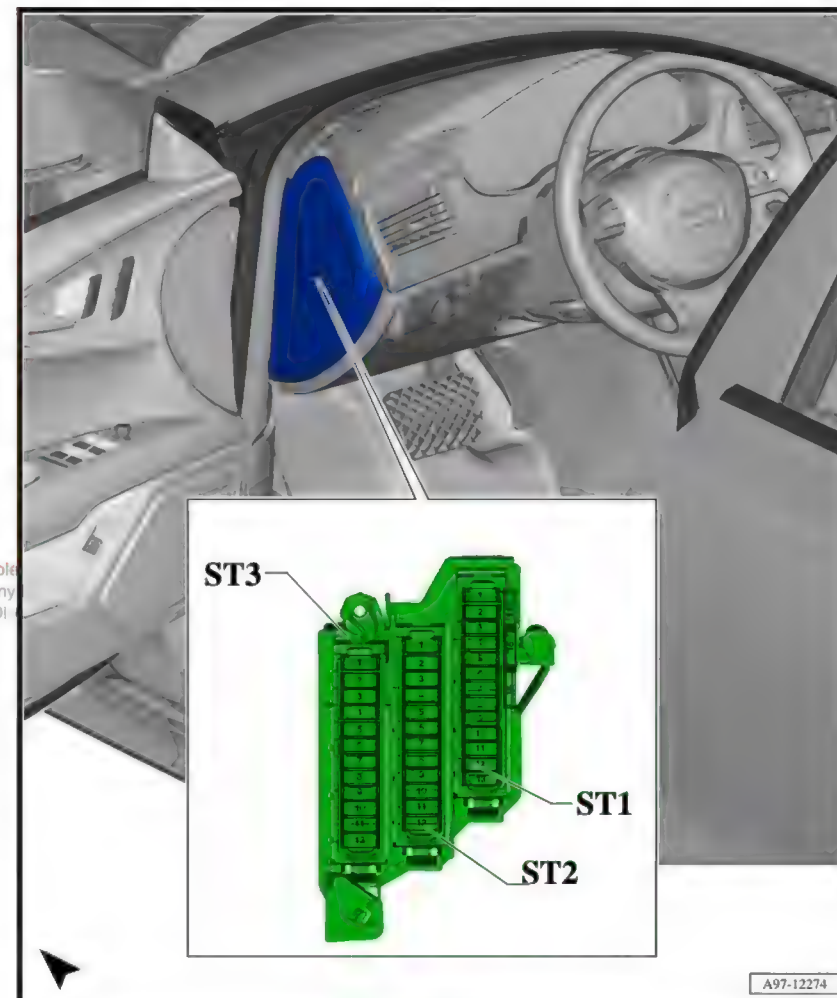
❑ Position of Fuses on

⇒ o1.5.5 f Fuses on Fuse Carrier 3ST3, red, through model year 2014", page 25

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

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Back to overview [⇒ o1.1 f Fuses", page 1](#) .

1.4.2 Fuse Panel B -SB-, from model year 2015

ST1 - Fuse Carrier 1 -ST1-, black

- ❑ Position of Fuses on
[⇒ o1.5.2 f Fuses on Fuse Carrier 1ST1, black, from model year 2015", page 20](#)

ST2 - Fuse Carrier 2 -ST2-, brown

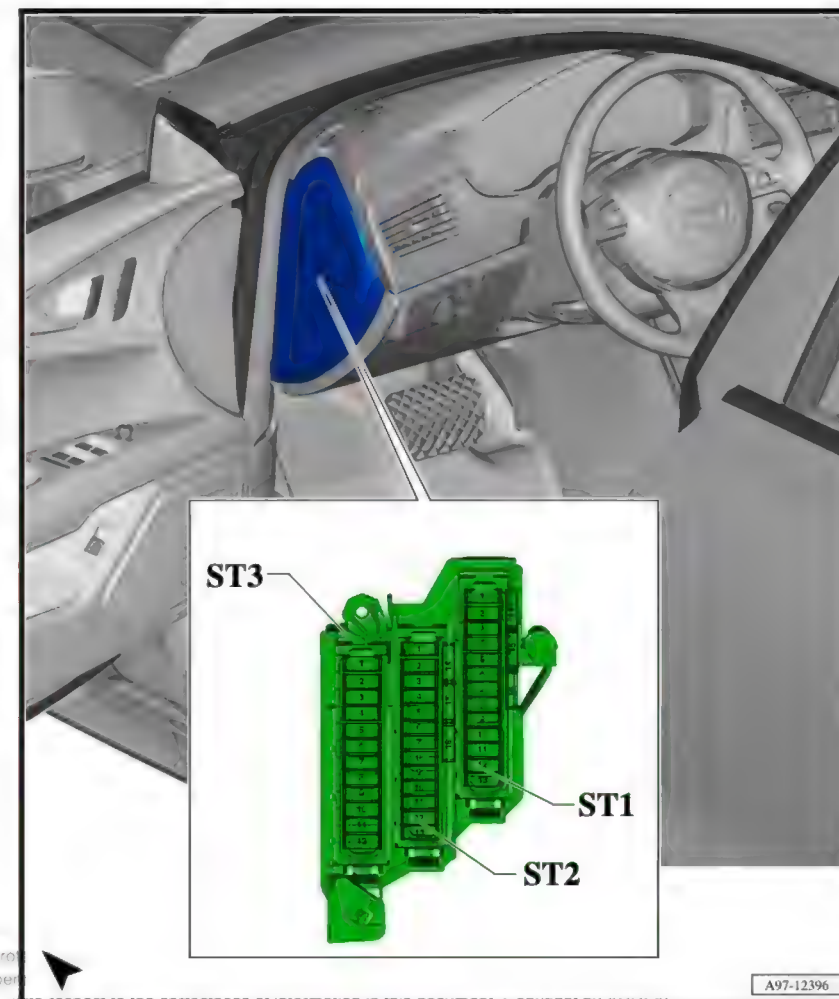
- ❑ Position of Fuses on
[⇒ o1.5.4 f Fuses on Fuse Carrier 2ST2, brown, from model year 2015", page 24](#)

ST3 - Fuse Carrier 3 -ST3-, red

- ❑ Position of Fuses on
[⇒ o1.5.6 f Fuses on Fuse Carrier 3ST3, red, from model year 2015", page 26](#)

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown



[Back to overview ⇒ o1.1 f Fuses", page 1 .](#)

1.5 Position of Fuses on Fuse Panel B -SB-, left-hand drive

[⇒ o1.5.1 f Fuses on Fuse Carrier 1ST1, black, through model year 2014", page 19](#)

[⇒ o1.5.2 f Fuses on Fuse Carrier 1ST1, black, from model year 2015", page 20](#)

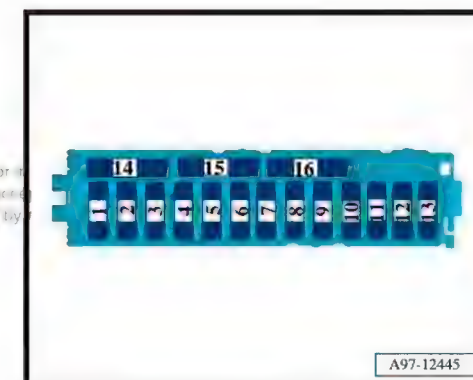
[⇒ o1.5.3 f Fuses on Fuse Carrier 2ST2, brown, through model year 2014", page 22](#)

[⇒ o1.5.4 f Fuses on Fuse Carrier 2ST2, brown, from model year 2015", page 24](#)

[⇒ o1.5.5 f Fuses on Fuse Carrier 3ST3, red, through model year 2014", page 25](#)

[⇒ o1.5.6 f Fuses on Fuse Carrier 3ST3, red, from model year 2015", page 26](#)

1.5.1 Position of Fuses on Fuse Carrier 1 -ST1-, black, through model year 2014



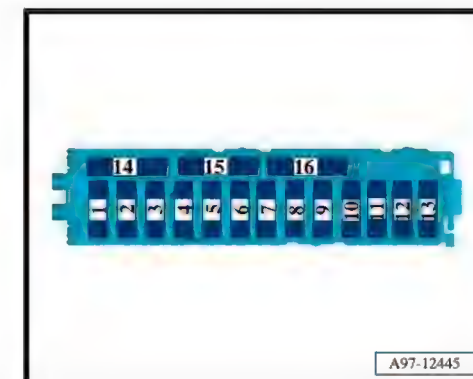
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	5 A	- ASR/ESP Button -E256- Electro-Mechanical Parking Brake Button -E538- Multimedia Control Head 2 -E499- Towing Recognition Control Module -J345- Power Steering Control Module -J500- Seat Heating Control Module -J882- Subframe Mount Control Module -J931-	15
2	- Fuse 2 (on fuse panel B) -SB2-	5 A	- Automatic Day/Night Interior Mirror Relay -J910- Automatic Day/Night Interior Mirror -Y7-	15
3	- Fuse 3 (on fuse panel B) -SB3-	10 A	- Engine Sound Generator Control Module -J943- 1)	15
4	- Fuse 4 (on fuse panel B) -SB4-	5 A	- Sensor Electronics Control Module -J849-	15
5	- Fuse 5 (on fuse panel B) -SB5-	5 A	- ABS Control Module -J104-	15

6	- Fuse 6 (on fuse panel B) -SB6-	5 A	- Air Quality Sensor -G238- A/C Pressure/Temperature Sensor -G395- Humidity Sensor in Fresh Air Intake Duct -G657-	15
7	- Fuse 7 (on fuse panel B) -SB7-	10 A	- Distance Regulation Control Module -J428- Distance Regulation Control Module 2 -J850-	15
8	- Fuse 8 (on fuse panel B) -SB8-	5 A	- Airbag Control Module -J234- Seat Occupied Recognition Control Module -J706-	15
9	- Fuse 9 (on fuse panel B) -SB9-	5 A	- Data Bus On Board Diagnostic Interface -J533-	15
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	- Garage Door Opener Control Head -E284- Garage Door Opener Control Module -J530- Night vision system control module -J853- Structure-Borne Sound Control Module -J869- 2)	15
11	- Fuse 11 (on fuse panel B) -SB11-	10 A	- Image Processing Control Module -J851- Camera Control Module -J852-	15
12	- Fuse 12 (on fuse panel B) -SB12-	5 A	- Active Steering Control Module -J792-	15
13	- Fuse 13 (on fuse panel B) -SB13-	15 A	- to Fuse Carrier 4 -ST4- in Fuse Panel F -SF- 3) Fuse Carrier 1 -ST1- in Fuse Panel C -SC- 4)	15
14	- Fuse 14 (on fuse panel B) -SB14-	30 A	- to Fuse Carrier 1 -ST1- in Fuse Panel C -SC- 3) Fuse Carrier 4 -ST4- in Fuse Panel F -SF- 4)	15
15	- Fuse 15 (on fuse panel B) -SB15-	15 A	- Fuse 3 (on fuse panel A) -SA3- Fuse 12 (on fuse panel A) -SA12- Fuse 13 (on fuse panel A) -SA13-	15
16	- Fuse 16 (on fuse panel B) -SB16-	40 A	- Starter Relay -J53- Starter Relay 2 -J695-	15

- ◆ 1) Only engine code CGQB
- ◆ 2) Only engine codes CGQB, CVUA, CVUB
- ◆ 3) Through December 2011
- ◆ 4) From January 2012

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1.5.2 Position of Fuses on Fuse Carrier 1 -ST1-, black, from model year 2015



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	5 A	- ASR/ESP Button -E256- Electro-Mechanical Parking Brake Button -E538- Towing Recognition Control Module -J345- Preheating Coolant, Low Heat Output Relay -J359- High heat output relay -J360- Headlamp range control module -J431- Power Steering Control Module -J500- Auxiliary Air Heater Control Module -J604- Seat Heating Control Module -J882- Air Ionization System Control Module -J897- Subframe Mount Control Module -J931-	15
2	- Fuse 2 (on fuse panel B) -SB2-	5 A	- Air Quality Sensor -G238- A/C Pressure/Temperature Sensor -G395- Toll registration sensor -G459- ³⁾ Humidity Sensor in Fresh Air Intake Duct -G657- Automatic Day/Night Interior Mirror Relay -J910- 16-Pin Connector -T16-, diagnostic connector Automatic Day/Night Interior Mirror -Y7-	15
3	- Not used		-	
4	- Fuse 4 (on fuse panel B) -SB4-	5 A	- Vehicle Electrical System Control Module -J519- Parallel Parking Assistance Control Module -J791- Parking Aid Control Module -J446-	15
5	- Fuse 5 (on fuse panel B) -SB5-	5 A	- ABS Control Module -J104- Sensor Electronics Control Module -J849- Active Steering Control Module -J792-	15
6	- Fuse 6 (on fuse panel B) -SB6-	10 A	- Front Right Headlamp -MX2- (LED headlamp only)	15
7	- Fuse 7 (on fuse panel B) -SB7-	10 A	- Distance Regulation Control Module -J428- Distance Regulation Control Module 2 -J850-	15

8	- Fuse 8 (on fuse panel B) -SB8-	5 A	- Airbag Control Module -J234- Seat Occupied Recognition Control Module -J706-	15
9	- Fuse 9 (on fuse panel B) -SB9-	5 A	- Data Bus On Board Diagnostic Interface -J533-	15
10	- Fuse 10 (on fuse panel B) -SB10-	5 A ¹⁾ 7.5 A ²⁾	- Garage Door Opener Control Head -E284- Garage Door Opener Control Module -J530- Night vision system control module -J853- Structure-Borne Sound Control Module -J869- Rear View Camera System Control Module -J772- ²⁾	15
11	- Fuse 11 (on fuse panel B) -SB11-	10 A	- Image Processing Control Module -J851- Camera Control Module -J852-	15
12	- Fuse 12 (on fuse panel B) -SB12-	10 A	- Front Left Headlamp -MX1- (LED headlamp only)	15
13	- Fuse 13 (on fuse panel B) -SB13-	5 A	- Steering Column Electronic Systems Control Module -J527-	15
14	- Fuse 14 (on fuse panel B) -SB14-	30 A	- to Fuse Panel F -SF-	15
15	- Fuse 15 (on fuse panel B) -SB15-	15 A	- Fuse 3 (on fuse panel A) -SA3- Fuse 12 (on fuse panel A) -SA12- Fuse 13 (on fuse panel A) -SA13-	15
16	- Fuse 16 (on fuse panel B) -SB16-	40 A	- Starter Relay 2 -J695- Starter Relay -J53-	15

◆ ¹⁾ through March 2015

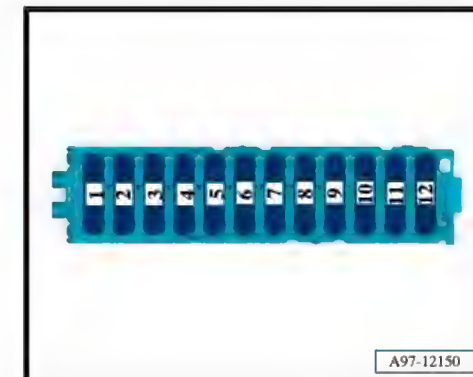
◆ ²⁾ From April 2015

◆ ³⁾ Only for Vehicles with Korea-Equipment

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1.5.3 Position of Fuses on Fuse Carrier 2 -ST2-, brown, through model year 2014

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No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	5 A	- Data Bus On Board Diagnostic Interface -J533-	30
2	- Fuse 2 (on fuse panel B) -SB2-	10 A	- Rear A/C Display Control Head -E265-	30
3	- Fuse 3 (on fuse panel B) -SB3-	10 A	- ABS Control Module -J104-	30
4	- Fuse 4 (on fuse panel B) -SB4-	30 A	- Driver's Door Control Module -J386-	30
5	- Fuse 5 (on fuse panel B) -SB5-	7.5 A	- Front Multicontour Seat Control Module Driver's Side -J873-	30
6	- Fuse 6 (on fuse panel B) -SB6-	35 A	- Active Steering Control Module -J792-	30
7	- Fuse 7 (on fuse panel B) -SB7-	20 A	- Power Sunroof Control Module -J245- Sunroof Motor -V1-	30
8	- Fuse 8 (on fuse panel B) -SB8-	15 A ⁴⁾	- Left Rear Door Control Module -J388- ⁴⁾	30
9	- Fuse 9 (on fuse panel B) -SB9-	5 A	- Front Passenger's Seat Lumbar Support Adjustment Switch -E177-	30
10	- Fuse 10 (on fuse panel B) -SB10-	30 A 5 A ⁴⁾	- Auxiliary Heater Control Module -J364- Tire Pressure Monitoring Control Module -J502- ³⁾	30
11	- Fuse 11 (on fuse panel B) -SB11-	20 A	- Power Sunroof Control Module -J245- ¹⁾ Sunroof Motor -V1- ¹⁾ Roof shade control module -J394- ²⁾ Sunroof Blind Motor -V260- ²⁾	30
12	- Fuse 12 (on fuse panel B) -SB12-	15 A ⁴⁾	- Driver's Door Control Module -J386- ⁴⁾	30

◆ ¹⁾ Only Avant

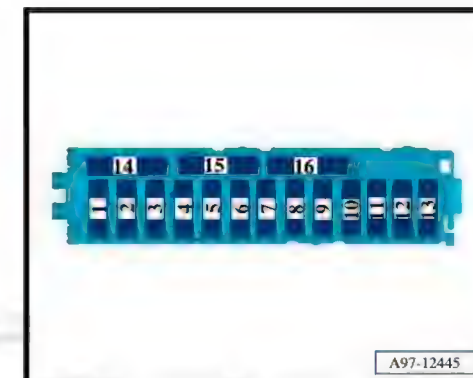
◆ ²⁾ Only for Vehicles with China Equipment

◆ ³⁾ Only models with Tire Pressure Monitoring

♦ 4) Through May 2011

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1.5.4 Position of Fuses on Fuse Carrier 2 -ST2-, brown, from model year 2015

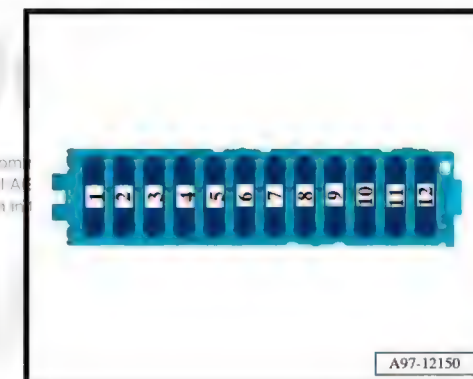


No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel B) -SB1-	5 A	- External Audio Source Connector -R199-	30
2	- Fuse 2 (on fuse panel B) -SB2-	5 A	- Amplifier for Telephone -R86- Telephone Baseplate -R126-	30
3	- Fuse 3 (on fuse panel B) -SB3-	7.5 A	- Front Multicontour Seat Control Module Front Passenger's Side -J872-	30
4	- Not used		-	
5	- Fuse 5 (on fuse panel B) -SB5-	5 A	- Sensor Electronics Control Module -J849-	30
6	- Fuse 6 (on fuse panel B) -SB6-	5 A	- Anti-Theft Alarm System Sensor -G578- Alarm Horn -H12- Interior Monitoring Sensor -G273- Vehicle Inclination Sensor -G384-	30
7	- Fuse 7 (on fuse panel B) -SB7-	5 A	- Electro-Mechanical Parking Brake Button -E538- Terminal 15 power supply relay -J329-	30
8	- Fuse 8 (on fuse panel B) -SB8-	5 A	- Roof Electronics Control Module -J528-	30
9	- Fuse 9 (on fuse panel B) -SB9-	5 A	- Rain/Light Recognition Sensor -G397-	30
10	- Fuse 10 (on fuse panel B) -SB10-	5 A	- Driver's Seat Lumbar Support Adjustment Switch -E176-	30
11	- Fuse 11 (on fuse panel B) -SB11-	7.5 A	- Front Multicontour Seat Control Module Driver's Side -J873-	30
12	- Fuse 12 (on fuse panel B) -SB12-	10 A	- ABS Control Module -J104-	30
13	- Fuse 13 (on fuse panel B) -SB13-	15 A	- Horn Relay -J413-	30

14	-	Fuse 14 (on fuse panel B) -SB14-	30 A	-	Vehicle Electrical System Control Module -J519-	30
15	-	Fuse 15 (on fuse panel B) -SB15-	30 A	-	Vehicle Electrical System Control Module -J519-	30
16	-	Fuse 16 (on fuse panel B) -SB16-	35 A	-	Active Steering Control Module -J792-	30

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1.5.5 Position of Fuses on Fuse Carrier 3 -ST3-, red, through model year 2014



No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Fuse 1 (on fuse panel B) -SB1-	5 A 25 A ³⁾	-	Clutch Position Sensor -G476- Vacuum Pump Relay -J318- ³⁾	30
2	-	Fuse 2 (on fuse panel B) -SB2-	25 A 5 A ⁴⁾	-	Fuel Pump (FP) Control Module -J538- Fuel Pump (FP) Relay -J17- ⁴⁾	30
3	-	Fuse 3 (on fuse panel B) -SB3-	5 A	-	Brake Light Switch -F- Brake Pedal Position Sensor -G100-	87
4	-	Fuse 4 (on fuse panel B) -SB4-	7.5 A ^{1), 5)} 5 A ²⁾	-	Exhaust Flap Control Module -J883- ^{1), 5)} Exhaust Flap Control Unit 2 -J945- ⁵⁾ Reducing Agent Metering System Control Module -J880- ²⁾	30
5	-	Fuse 5 (on fuse panel B) -SB5-	30 A	-	Left Rear Door Control Module -J388-	30
6	-	Fuse 6 (on fuse panel B) -SB6-	7.5 A	-	Front Multicontour Seat Control Module Front Passenger's Side -J872-	30
7	-	Fuse 7 (on fuse panel B) -SB7-	15 A	-	Horn Relay -J413-	30
8	-	Fuse 8 (on fuse panel B) -SB8-	30 A	-	Wiper Motor Control Module -J400-	30
9	-	Fuse 9 (on fuse panel B) -SB9-	5 A	-	Rain/Light Recognition Sensor -G397-	30
10	-	Fuse 10 (on fuse panel B) -SB10-	5 A	-	Driver's Seat Lumbar Support Adjustment Switch -E176-	30

11	-	Fuse 11 (on fuse panel B) -SB11-	15 A ⁶⁾	-	Front Passenger's Door Control Module -J387- ⁶⁾	30
12	-	Fuse 12 (on fuse panel B) -SB12-	15 A ⁶⁾	-	Right Rear Door Control Module -J389- ⁶⁾	30

◆ 1) Only engine codes CHJA, CPEA, CUHA, CYNB, CYPA, CYPB

◆ 2) Only models with Reducing Agent Metering System

◆ 3) Only models with high-voltage system

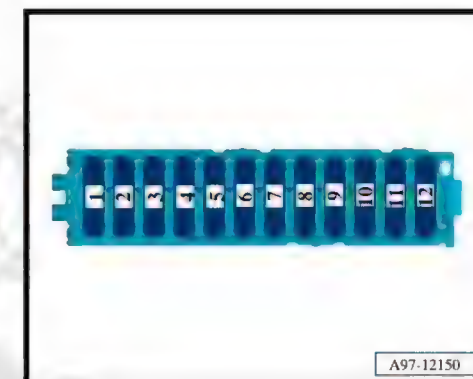
◆ 4) Only engine codes CRDA, CRDB, CWUA, CWUB

◆ 5) Only models with 8-cylinder gasoline engine

◆ 6) Through May 2011

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1.5.6 Position of Fuses on Fuse Carrier 3 -ST3-, red, from model year 2015



No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Fuse 1 (on fuse panel B) -SB1-	5 A 25 A ³⁾	-	Clutch Position Sensor -G476- Vacuum Pump Relay -J318- ³⁾	87
2	-	Fuse 2 (on fuse panel B) -SB2-	25 A 5 A ⁴⁾	-	Fuel Pump (FP) Control Module -J538- Reducing Agent Metering System Relay -J963- ²⁾ Fuel Pump (FP) Relay -J17- ⁴⁾	87
3	-	Fuse 3 (on fuse panel B) -SB3-	5 A	-	Brake Light Switch -F- Brake Pedal Position Sensor -G100-	87

4	-	Fuse 4 (on fuse panel B) -SB4-	7.5 A ⁵⁾ 5 A ^{1), 2)}	-	Exhaust Flap Control Module -J883- ^{1), 5)} Exhaust Flap Control Unit 2 -J945- ⁵⁾ Reducing Agent Metering System Control Module -J880- ²⁾	87
5	-	Fuse 5 (on fuse panel B) -SB5-	30 A	-	Left Rear Door Control Module -J388-	30
6	-	Fuse 6 (on fuse panel B) -SB6-	30 A	-	Driver's Door Control Module -J386-	30
7	-	Fuse 7 (on fuse panel B) -SB7-	20 A	-	ABS Control Module -J104-	30
8	-	Fuse 8 (on fuse panel B) -SB8-	30 A	-	Wiper Motor Control Module -J400-	30
9	-	Fuse 9 (on fuse panel B) -SB9-	35 A	-	Vehicle Electrical System Control Module -J519-	30
10	-	Fuse 10 (on fuse panel B) -SB10-	20 A	-	Vehicle Electrical System Control Module -J519-	30
11	-	Fuse 11 (on fuse panel B) -SB11-	30 A	-	Vehicle Electrical System Control Module -J519-	30
12	-	Fuse 12 (on fuse panel B) -SB12-	20 A	-	Power Sunroof Control Module -J245- Sunroof Motor -V1-	30

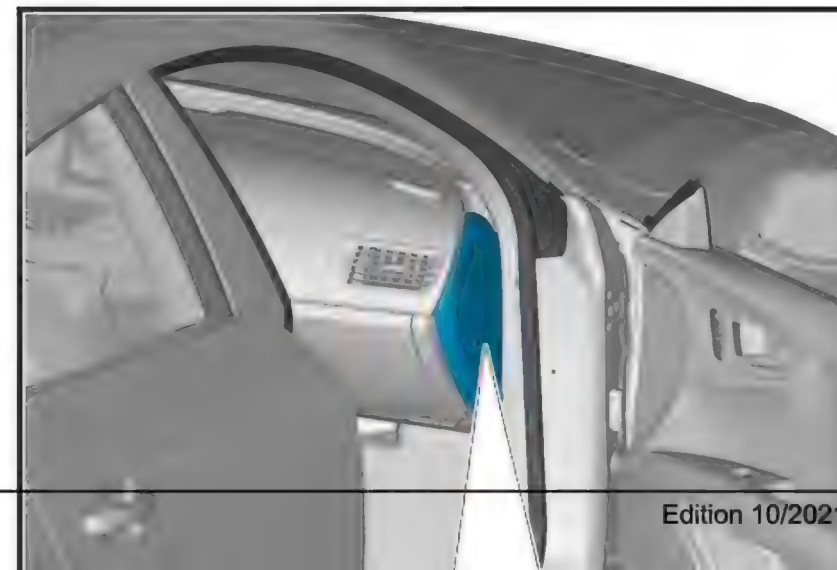
- ◆ ¹⁾ Only engine codes CHJA, CPEA, CUHA, CYNB, CYPA, CYPB
- ◆ ²⁾ Only models with Reducing Agent Metering System
- ◆ ³⁾ Only Models with High-Voltage System, through Week 04/2018
- ◆ ⁴⁾ Only engine codes CRDA, CRDB, CWUA, CWUB, CWUC
- ◆ ⁵⁾ Only models with 8-cylinder gasoline engine

Back to overview ⇒ [page 18](#).

1.6 Fuse Panel C -SC-, left-hand drive

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown



◆ 5 A - light-brown

ST1 - Fuse Carrier 1 -ST1-, black (through model year 2014) / red (from model year 2015)

- ❑ Position of Fuses on, through model year 2014 ⇒ [o1.7.1 f Fuses on Fuse Carrier 1ST1, black, through model year 2014", page 28](#)
- ❑ Position of Fuses on, from model year 2015 ⇒ [o1.7.2 f Fuses on Fuse Carrier 1ST1, red, from model year 2015", page 29](#)

ST2 - Fuse Carrier 2 -ST2-, brown

- ❑ Position of Fuses on, through model year 2014 ⇒ [o1.7.3 f Fuses on Fuse Carrier 2ST2, brown, through model year 2014", page 30](#)
- ❑ Position of Fuses on, from model year 2015 ⇒ [o1.7.4 f Fuses on Fuse Carrier 2ST2, brown, from model year 2015", page 31](#)

Back to overview ⇒ [o1.1 f Fuses", page 1](#) .

1.7 Position of Fuses on Fuse Panel C -SC-, left-hand drive

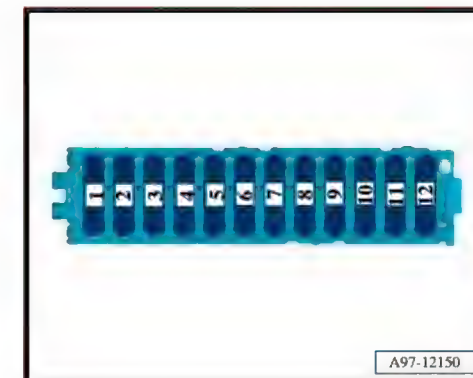
⇒ [o1.7.1 f Fuses on Fuse Carrier 1ST1, black, through model year 2014", page 28](#)

⇒ [o1.7.2 f Fuses on Fuse Carrier 1ST1, red, from model year 2015", page 29](#)

⇒ [o1.7.3 f Fuses on Fuse Carrier 2ST2, brown, through model year 2014", page 30](#)

⇒ [o1.7.4 f Fuses on Fuse Carrier 2ST2, brown, from model year 2015", page 31](#)

1.7.1 Position of Fuses on Fuse Carrier 1 -ST1-, black, through model year 2014



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- Windshield Projection Head Up Display Control Module -J898-	30
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- Front Information Display Control Head -J685-	30
3	- Fuse 3 (on fuse panel C) -SC3-	5 A	- CD Changer -R41- DVD Changer -R161-	30

4	-	Fuse 4 (on fuse panel C) -SC4-	7.5 A	-	Control Module for Information Electronics 1 -J794- Multimedia Control Head -E380-	30
5	-	Fuse 5 (on fuse panel C) -SC5-	5 A	-	Chip Card Reader Control Module -J676-	30
6	-	Fuse 6 (on fuse panel C) -SC6-	5 A	-	Instrument Cluster Control Module -J285-	30
7	-	Fuse 7 (on fuse panel C) -SC7-	5 A	-	Steering Column Electronic Systems Control Module -J527-	15
8	-	Fuse 8 (on fuse panel C) -SC8-	7.5 A	-	Headlamp Adjuster -E102- ¹⁾ Headlamp range control module -J431- ²⁾ Left Headlamp Beam Adjustment Motor -V48- ¹⁾ Right Headlamp Beam Adjustment Motor -V49- ¹⁾	15
9	-	Not used		-		
10	-	Fuse 10 (on fuse panel C) -SC10-	7.5 A	-	Left Headlamp Power Output Stage -J667- ³⁾ Right Headlamp Power Output Stage -J668- ⁴⁾	15
11	-	Fuse 11 (on fuse panel C) -SC11-	5 A ⁵⁾	-	Preheating Coolant, Low Heat Output Relay -J359- ⁵⁾ High heat output relay -J360- ⁵⁾ Auxiliary Air Heater Control Module -J604- ⁵⁾	15
12	-	Not used		-		

◆ ¹⁾ Models without LED headlamps

◆ ²⁾ Models with LED headlamps

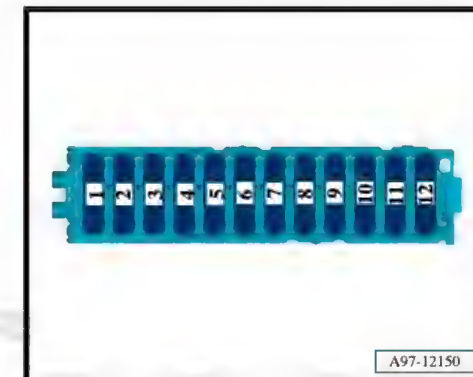
◆ ³⁾ Through May 2011

◆ ⁴⁾ from June 2011

◆ ⁵⁾ Only engine code CHJA

Back to overview ⇒ [F1.6 use Panel CSC, left-hand drive", page 27](#) .

1.7.2 Position of Fuses on Fuse Carrier 1-ST1, red, from model year 2015



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	5 A	- CD Changer -R41- Chip Card Reader Control Module -J676-	30
2	- Fuse 2 (on fuse panel C) -SC2-	5 A	- Front Information Display Control Head -J685-	30
3	- Not used		-	
4	- Not used		-	
5	- Not used		-	
6	- Not used		-	
7	- Not used		-	
8	- Not used		-	
9	- Not used		-	
10	- Not used		-	
11	- Fuse 11 (on fuse panel C) -SC11-	5 A	- Auxiliary Air Heater Control Module -J604- ¹⁾ Preheating Coolant, Low Heat Output Relay -J359- ¹⁾ High heat output relay -J360- ¹⁾	15
12	- Not used		-	

♦ ¹⁾ Only Models with High-Voltage System, from Week 47/2016

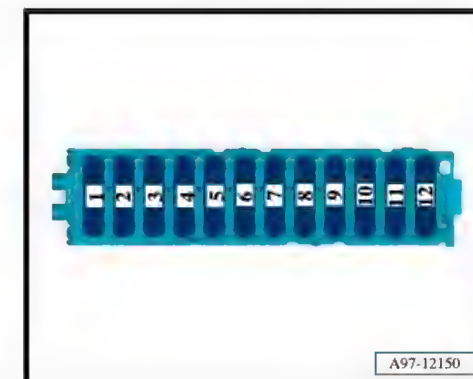
Back to overview ⇒ [F1.6 use Panel CSC, left-hand drive", page 27](#) .

1.7.3 Position of Fuses on Fuse Carrier 2 -ST2-, brown, through model year 2014



100, left hand drive, page 27:

1.7.4 Position of Fuses on Fuse Carrier 2 -ST2-, brown, from model year 2015



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel C) -SC1-	10 A	- Climatronic Control Module -J255-	30
2	- Fuse 2 (on fuse panel C) -SC2-	40 A	- Fresh Air Blower Control Module -J126-	30
3	- Fuse 3 (on fuse panel C) -SC3-	10 A	- 16-Pin Connector -T16-, diagnostic connector	30
4	- Fuse 4 (on fuse panel C) -SC4-	5 A	- Anti-Theft Immobilizer Reading Coil -D2-	30
5	- Fuse 5 (on fuse panel C) -SC5-	5 A	- ELV Control Module -J764-	30
6	- Fuse 6 (on fuse panel C) -SC6-	10 A	- Steering Column Electronic Systems Control Module -J527-	30
7	- Fuse 7 (on fuse panel C) -SC7-	25 A	- Power Adjustable Steering Column Control Module -J866-	30
8	- Fuse 8 (on fuse panel C) -SC8-	5 A	- Light Switch -E1-	30
9	- Fuse 9 (on fuse panel C) -SC9-	5 A	- Windshield Projection Head Up Display Control Module -J898-	30
10	- Fuse 10 (on fuse panel C) -SC10-	5 A	- Instrument Cluster Control Module -J285-	30
11	- Fuse 11 (on fuse panel C) -SC11-	5 A	- CD Changer -R41- DVD Changer -R161-	30
12	- Not used		-	

Back to overview ⇒ [F1.6 use Panel CSC, left-hand drive", page 27](#) .

1.8 Fuse panel D -SD-

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⇒ [F1.8.1 use panel DSD, through model year 2014", page 32](#)

⇒ [F1.8.2 use panel DSD, from model year 2015", page 33](#)

1.8.1 Fuse panel D -SD-, through model year 2014

On relay arrangements, under left instrument panel.

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

A - Fuse panel D -SD-

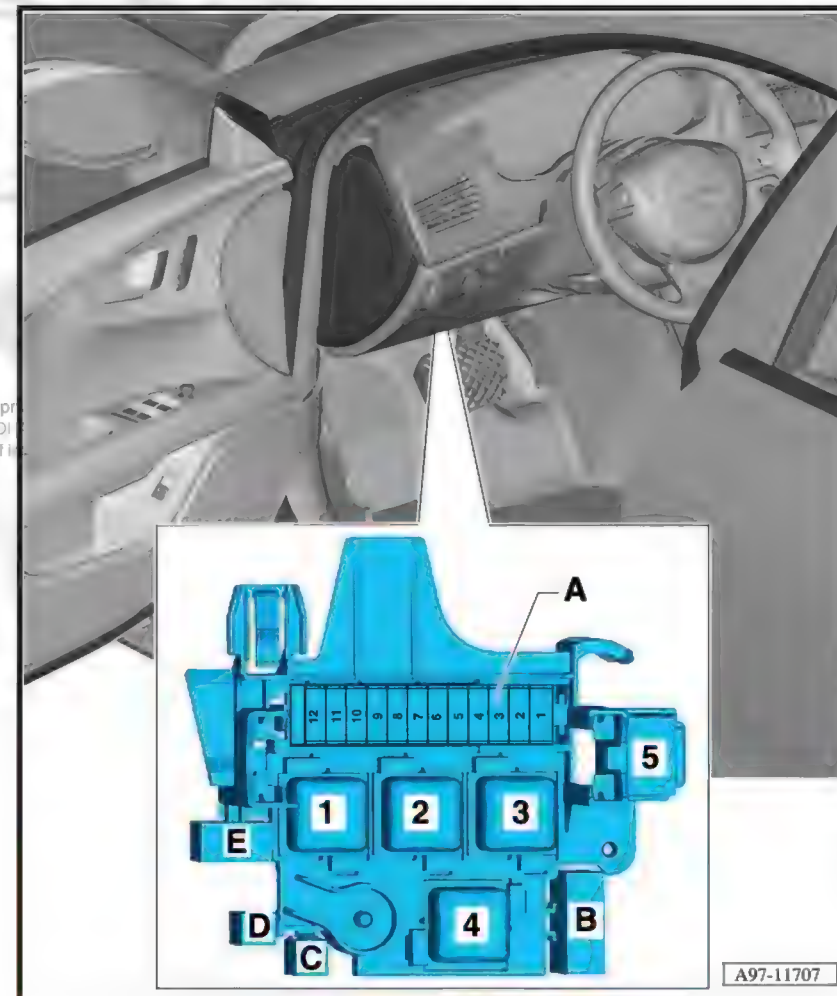
- ☐ Only left-hand drive
- ☐ Position of Fuses on
[⇒ 01.9.1 f Fuses on Fuse panel DSD, through model year 2014", page 34](#)

B - ABS Control Module Fuse 1 -S123-, 40 A

- ☐ Only left-hand drive

Right-hand drive: not used

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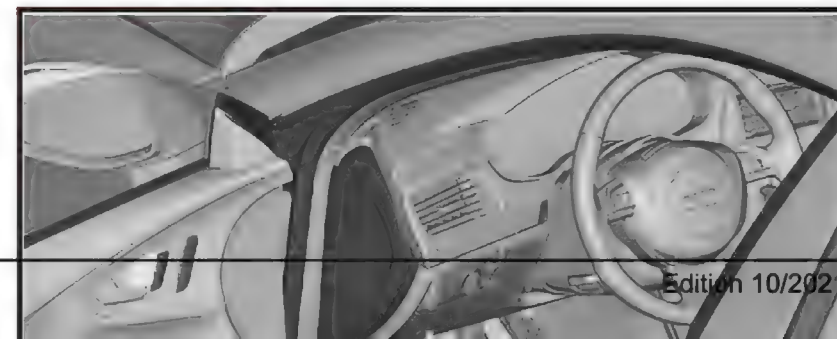


Back to overview [⇒ 01.1 f Fuses", page 1](#) .

1.8.2 Fuse panel D -SD-, from model year 2015

Component location, left-hand drive

On relay arrangements, under left instrument panel.



Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

A - Fuse panel D -SD-

- ☐ Only left-hand drive
- ☐ Position of Fuses on [⇒ 01.9.2 f Fuses on Fuse panel DSD, from model year 2015", page 35](#)

B - ABS Control Module Fuse 1 -S123-, 40 A

- ☐ Only left-hand drive

Back to overview [⇒ 01.1 f Fuses", page 1](#) .

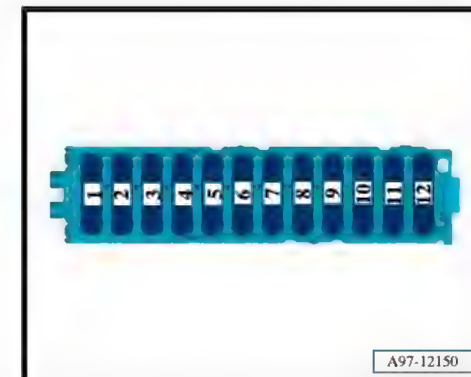
1.9 Position of Fuses on Fuse panel D -SD-

[⇒ 01.9.1 f Fuses on Fuse panel DSD, through model year 2014", page 34](#)

[⇒ 01.9.2 f Fuses on Fuse panel DSD, from model year 2015", page 35](#)

1.9.1 Position of Fuses on Fuse panel D -SD-, through model year 2014

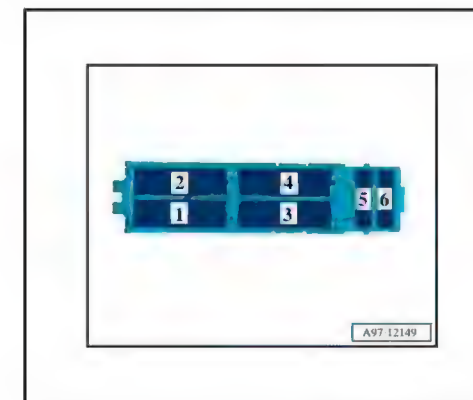
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No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel D) -SD1-	5	- Terminal 15 power supply relay -J329-	30
2	- Not used		-	
3	- Fuse 3 (on fuse panel D) -SD3-	5 A	- Sensor Electronics Control Module -J849-	30
4	- Fuse 4 (on fuse panel D) -SD4-	20 A	- ABS Control Module -J104-	30
5	- Fuse 5 (on fuse panel D) -SD5-	5 A	- Anti-Theft Alarm System Sensor -G578- Alarm Horn -H12-	30
6	- Fuse 6 (on fuse panel D) -SD6-	35 A	- Vehicle Electrical System Control Module -J519-	30
7	- Fuse 7 (on fuse panel D) -SD7-	20 A	- Vehicle Electrical System Control Module -J519-	30
8	- Fuse 8 (on fuse panel D) -SD8-	30 A	- Vehicle Electrical System Control Module -J519-	30
9	- Fuse 9 (on fuse panel D) -SD9-	30 A	- Vehicle Electrical System Control Module -J519-	30
10	- Fuse 10 (on fuse panel D) -SD10-	30 A	- Vehicle Electrical System Control Module -J519-	30
11	- Fuse 11 (on fuse panel D) -SD11-	5 A	- Roof Electronics Control Module -J528-	30
12	- Fuse 12 (on fuse panel D) -SD12-	5 A	- Auxiliary Heater RF Receiver -R64-	30

Back to overview [⇒ page 32](#).

1.9.2 Position of Fuses on Fuse panel D -SD-, from model year 2015



No.		Designation in Wiring Diagram	Nominal Value		Function/Component	Terminal
1	-	Not used		-		
2	-	Fuse 2 (on fuse panel D) -SD2-	60 A	-	Terminal 30 power supply relay -J317- Fuse Panel A -SA-, only Diesel Engine with engine code CRTD/CRTE/CRTF/ CZVA/CZVB/CZVC/CZVD/CZVF	30
3	-	Not used		-		
4	-	Not used		-		
5	-	Not used		-		
6	-	Not used		-		

Back to overview [⇒ page 33](#) .

1.10 Fuses on relay carrier behind instrument panel

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Below instrument panel, right.

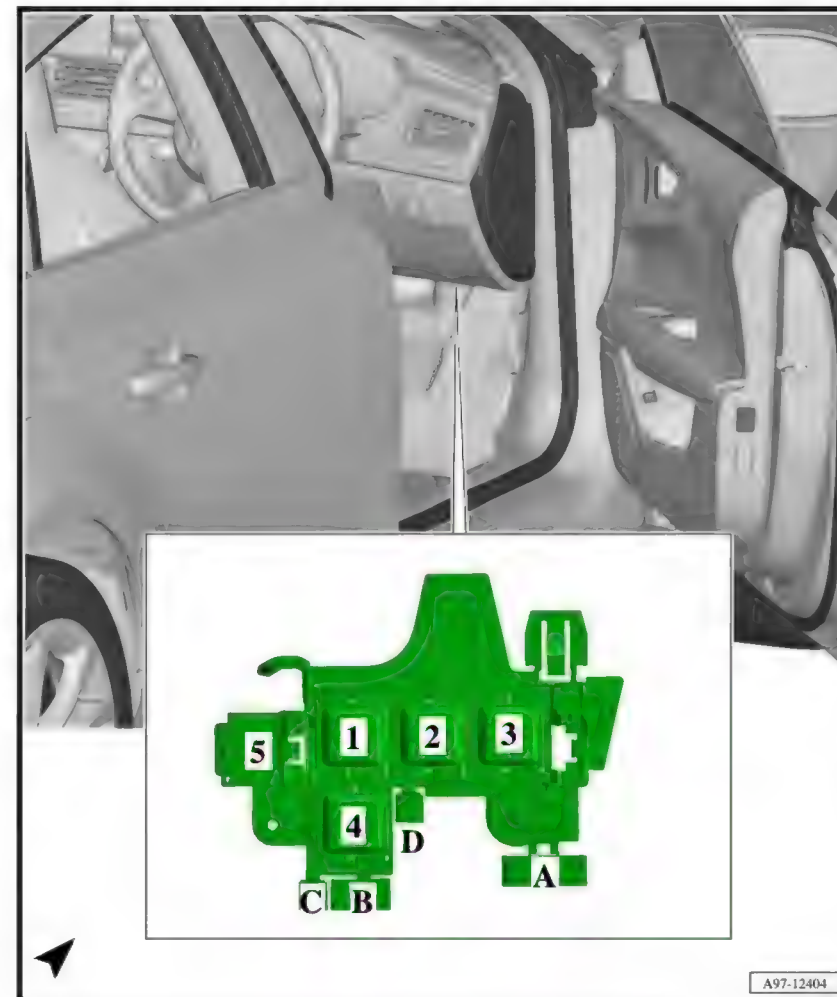
A - Fuse 3 - terminal 30 -S206-, 60 A, Terminal 30 power supply relay -J317-

- ☐ Only right-hand drive
- ☐ only Diesel Engine with engine code CRTD/CRTE/CRTF/CZVA/CZVB/CZVC/CZVD/CZVF

B - Not used

C - Not used

D - Not used



Back to overview [⇒ o1.11 Fuses", page 1](#)

1.11 Fuses on auxiliary relay carrier in relay carrier behind instrument panel

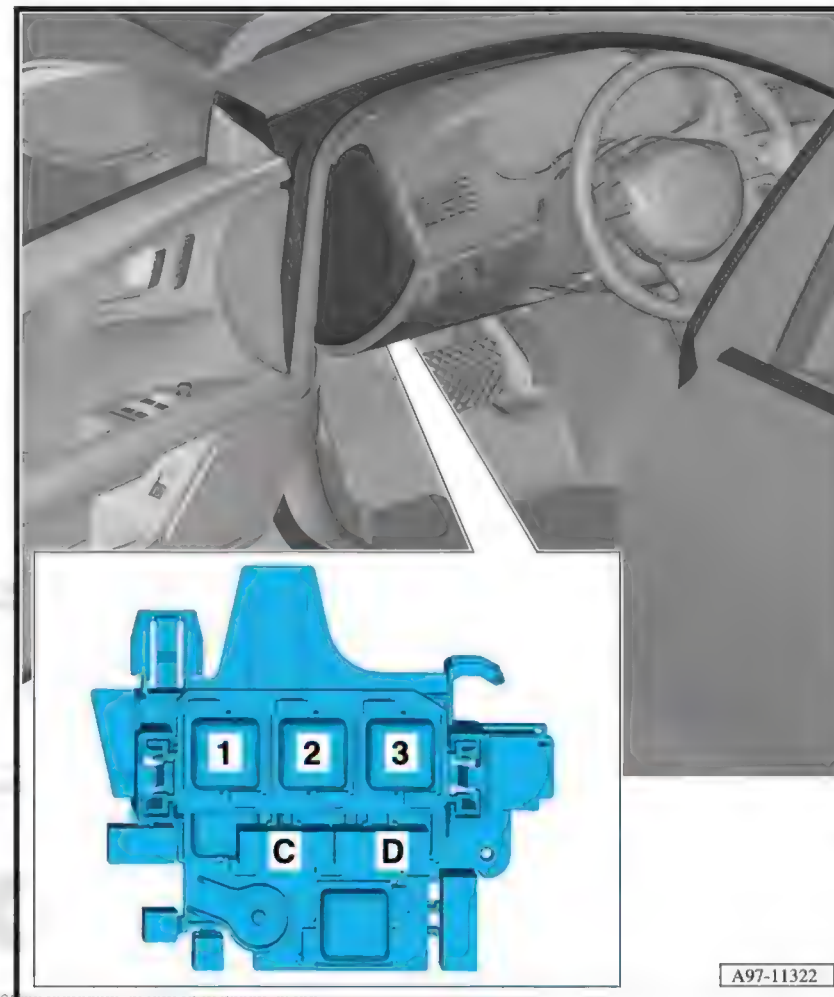
[⇒ o1.11.1 n auxiliary relay carrier in relay carrier behind instrument panel, left-hand drive", page 37](#)

1.11.1 Fuses on auxiliary relay carrier in relay carrier behind instrument panel, left-hand drive

On relay and fuse carrier behind left instrument panel.

C - Heating Element Fuse 1 -S276-, 40 A

D - Heating Element Fuse 2 -S277-, 60 A



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[Back to overview ⇒ 01.1 f Fuses", page 1 .](#)

1.12 Fuse Panel F -SF-

[⇒ F1.12.1 use Panel FSF, through model year 2014", page 38](#)

[⇒ F1.12.2 use Panel FSF, from model year 2015", page 40](#)

1.12.1 Fuse Panel F -SF-, through model year 2014

In luggage compartment, right rear.

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

A - 46-Pin Connector -T46b-, CAN Separating Connector, black

G - Not used

H - Rear Lid Remote Unlocking Fuse -S195-, 1 A

I1 - Optional Equipment Main Fuse -S245-, 15 A

- Only models with council car /rental car equipment

I2 - Fuse 1 - terminal 15 -S199-, 5 A

- Only models with council car equipment

I2 - Taxameter Fuse -S182-, 5 A

- Only models with rental car equipment

ST1 - Fuse Carrier 1 -ST1-, black, left-hand drive

- [⇒ o1.13.1 f Fuses on Fuse Carrier 1ST1, black, left-hand drive, through model year 2014", page 42](#)

ST2 - Fuse Carrier 2 -ST2-, red, left and right-hand drive

- [⇒ o1.13.3 f Fuses on Fuse Carrier 2ST2, red, left hand drive, through model year 2014", page 44](#)

ST3 - Fuse Carrier 3 -ST3-, brown, left-hand drive

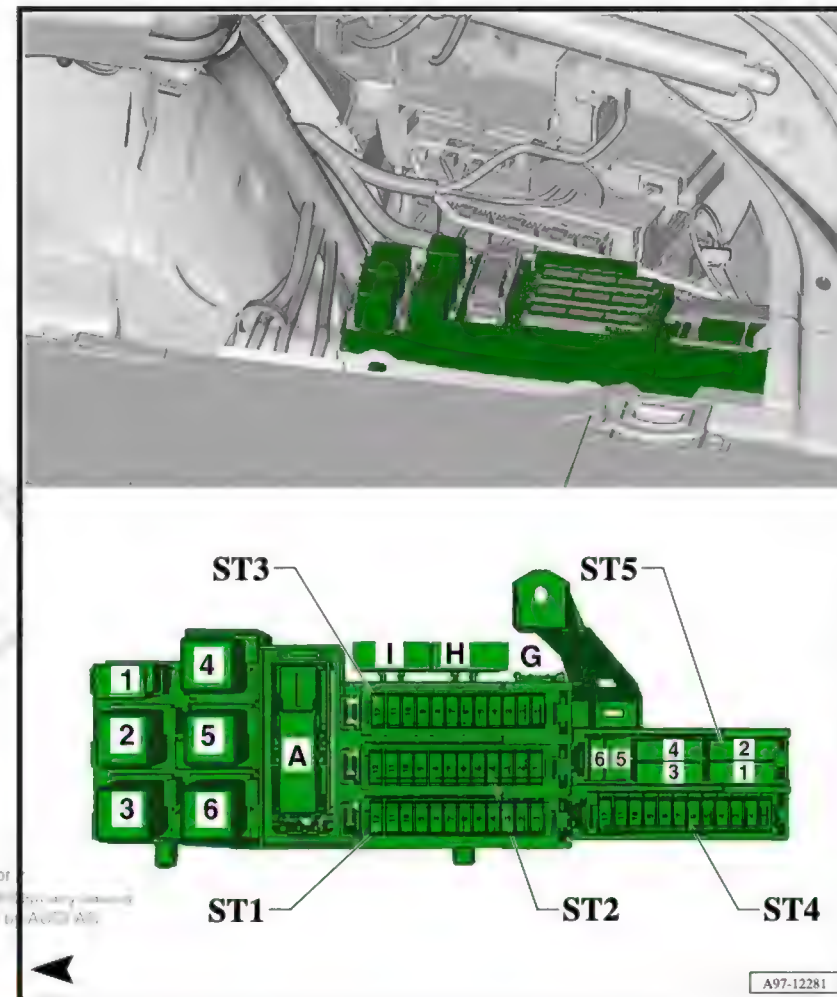
- [⇒ o1.13.5 f Fuses on Fuse Carrier 3ST3, brown, left-hand drive, through model year 2014", page 47](#)

ST4 - Fuse Carrier 4 -ST4-, green, left-hand drive

- [⇒ o1.13.7 f Fuses on Fuse Carrier 4ST4, green, left-hand drive, through model year 2014", page 50](#)

ST5 - Fuse Carrier 5 -ST5-, black, left and right-hand drive

- [⇒ o1.13.9 f Fuses on Fuse Carrier 5ST5, black, left hand drive, through model year 2014", page 53](#)



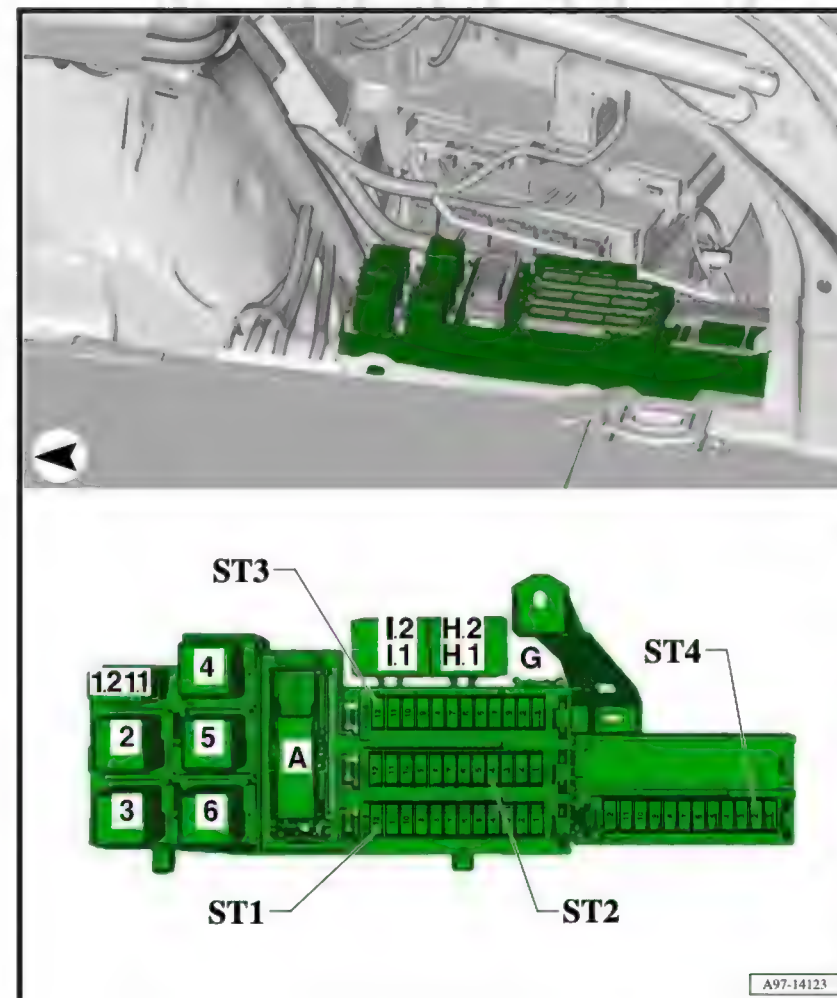
Back to overview ⇒ [o1.1 f Fuses", page 1](#) .

1.12.2 Fuse Panel F -SF-, from model year 2015

In luggage compartment, right rear.

Fuse Colours

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown



A - 46-Pin Connector -T46b-, CAN Separating Connector, black

G - Not used

H1 - Rear window defogger fuse -S41-, 40 A

H2 - Not used

I1 - Optional Equipment Main Fuse -S245-, 15 A

- ☐ Only models with council car /rental car equipment

I1 - Circuit Breaker 1 -S361-, 20 A

- ☐ Only models with China equipment and left-hand drive

I2 - Fuse 1 - terminal 15 -S199-, 5 A

- ☐ Only models with council car equipment

I2 - Taxameter Fuse -S182-, 5 A

- ☐ Only models with rental car equipment

I2 - Circuit Breaker 2 -S362-, 20 A

- ☐ Only models with China equipment and left-hand drive

1.1 - Self-Leveling System Fuse -S110-, 40 A

1.2 - Fuse 1 - terminal 30 -S204-, 50 A

ST1 - Fuse Carrier 1 -ST1-, black, left and right-hand drive

- ☐ ⇒ [o1.13.2 f Fuses on Fuse Carrier 1ST1, black, left hand drive, from model year 2015", page 43](#)

ST2 - Fuse Carrier 2 -ST2-, red, left and right-hand drive

- ☐ ⇒ [o1.13.4 f Fuses on Fuse Carrier 2ST2, red, left hand drive, from model year 2015", page 46](#)

ST3 - ⇒ [P1.13.6 osition of Fuses on Fuse carrier 3ST3 W/ SF fuse panel, brown, from MY 2015", page 49](#)

ST4 - Fuse Carrier 4 -ST4-, black, left and right-hand drive

- ☐ ⇒ [o1.13.8 f Fuses on Fuse Carrier 4ST4, black, left hand drive, from model year 2015", page 52](#)

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Back to overview ⇒ [o1.1 f Fuses", page 1](#) .

1.13 Position of Fuses on Fuse Panel F -SF-

⇒ [o1.13.1 f Fuses on Fuse Carrier 1ST1, black, left-hand drive, through model year 2014", page 42](#)

⇒ [o1.13.2 f Fuses on Fuse Carrier 1ST1, black, left hand drive, from model year 2015", page 43](#)

⇒ [o1.13.3 f Fuses on Fuse Carrier 2ST2, red, left hand drive, through model year 2014", page 44](#)

⇒ [o1.13.4 f Fuses on Fuse Carrier 2ST2, red, left hand drive, from model year 2015", page 46](#)

⇒ [o1.13.5 f Fuses on Fuse Carrier 3ST3, brown, left-hand drive, through model year 2014", page 47](#)

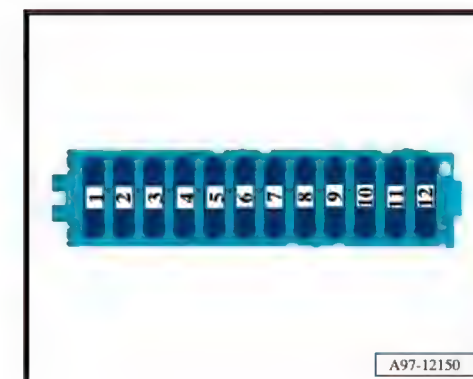
⇒ [P1.13.6 osition of Fuses on Fuse carrier 3ST3 W/ SF fuse panel, brown, from MY 2015", page 49](#)

⇒ [o1.13.7 f Fuses on Fuse Carrier 4ST4, green, left-hand drive, through model year 2014", page 50](#)

⇒ [o1.13.8 f Fuses on Fuse Carrier 4ST4, black, left hand drive, from model year 2015", page 52](#)

⇒ [o1.13.9 f Fuses on Fuse Carrier 5ST5, black, left hand drive, through model year 2014", page 53](#)

1.13.1 Position of Fuses on Fuse Carrier 1 -ST1-, black, left-hand drive, through model year 2014



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	15 A ¹⁾ 25 A ²⁾	- Towing Recognition Control Module -J345- ¹⁾ Converter with Socket, 12V-230V -U13- ²⁾	30
2	- Fuse 2 (on fuse panel F) -SF2-	20 A ¹⁾ 10 A ²⁾	- Towing Recognition Control Module -J345- ¹⁾ Cup holder with heater and cooling element -Z105- ²⁾	30

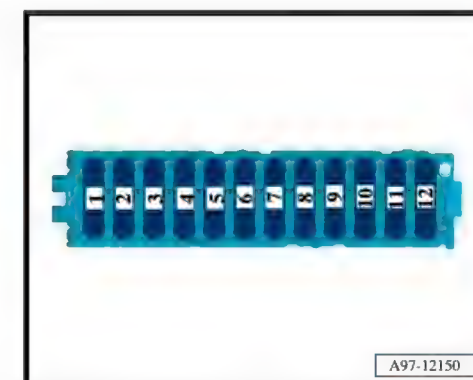
3	- Fuse 3 (on fuse panel F) -SF3-	20 A ¹⁾ 5 A ²⁾	- Towing Recognition Control Module -J345- ¹⁾ Left Rear Seat Massage Button -E409- ²⁾ Right Rear Seat Massage Button -E410- ²⁾	30
4	- Fuse 4 (on fuse panel F) -SF4-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
5	- Fuse 5 (on fuse panel F) -SF5-	30 A	- Electro-Mechanical Parking Brake Control Module -J540-	30
6	- Fuse 6 (on fuse panel F) -SF6-	30 A	- Front Passenger's Door Control Module -J387-	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Comfort System Central Control Module -J393-	30
8	- Fuse 8 (on fuse panel F) -SF8-	20 A	- Comfort System Central Control Module -J393-	30
9	- Fuse 9 (on fuse panel F) -SF9-	15 A	- Right Front Seat Ventilation Control Module -J799-	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- 12-Pin Connector -T12o- Special Functions Interface	30
11	- Fuse 11 (on fuse panel F) -SF11-	30 A	- Rear A/C Display Control Head -E265- Seat Heating Control Module -J882-	30
12	- Not used		-	

♦ ¹⁾ Only for Vehicles with China Equipment

♦ ²⁾ Only for Vehicles with China Equipment

Back to overview ⇒ [F1.12 use Panel FSF", page 38](#) .

1.13.2 Position of Fuses on Fuse Carrier 1 -ST1-, black, left hand drive, from model year 2015



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	15 A ¹⁾ 25 A ²⁾	- Towing Recognition Control Module -J345- ¹⁾ Converter with Socket, 12V-230V -U13- ²⁾	30

2	-	Fuse 2 (on fuse panel F) -SF2-	25 A ¹⁾ 10 A ²⁾	-	Towing Recognition Control Module -J345- ¹⁾ Cup holder with heater and cooling element -Z105- ²⁾	30
3	-	Fuse 3 (on fuse panel F) -SF3-	25 A ¹⁾ 5 A ²⁾	-	Towing Recognition Control Module -J345- ¹⁾ Left Rear Seat Massage Button -E409- ²⁾ Right Rear Seat Massage Button -E410- ²⁾	30
4	-	Fuse 4 (on fuse panel F) -SF4-	30 A	-	Electro-Mechanical Parking Brake Control Module -J540-	30
5	-	Fuse 5 (on fuse panel F) -SF5-	30 A	-	Electro-Mechanical Parking Brake Control Module -J540-	30
6	-	Fuse 6 (on fuse panel F) -SF6-	30 A	-	Front Passenger's Door Control Module -J387-	30
7	-	Fuse 7 (on fuse panel F) -SF7-	30 A	-	Comfort System Central Control Module -J393-	30
8	-	Fuse 8 (on fuse panel F) -SF8-	20 A	-	Comfort System Central Control Module -J393-	30
9	-	Fuse 9 (on fuse panel F) -SF9-	15 A	-	Right Front Seat Ventilation Control Module -J799-	30
10	-	Fuse 10 (on fuse panel F) -SF10-	5 A ⁴⁾ 7.5 A ³⁾	-	12-Pin Connector -T12o-, Special Functions Interface High Voltage System Maintenance Connector -TW- ³⁾	30
11	-	Fuse 11 (on fuse panel F) -SF11-	30 A	-	Rear A/C Display Control Head -E265- Seat Heating Control Module -J882-	30
12	-	Fuse 12 (on fuse panel F) -SF12-	15 A ⁴⁾ 7.5 A ⁵⁾	-	Towing Recognition Control Module -J345- ⁴⁾ Telematics Interface Control Module -J1221- ⁵⁾ Telephone/Telematics Control Module -J526- ⁵⁾	30

◆ 1) Only for Vehicles without China Equipment

◆ 2) Only for Vehicles with China Equipment

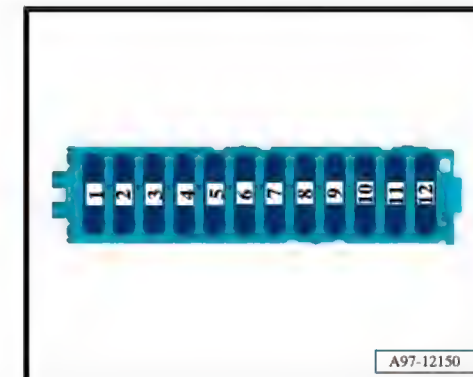
◆ 3) Only Models with High-Voltage System, from Week 47/2016

◆ 4) Only Models without High-Voltage System

◆ 5) Only Models with High-Voltage System, from July 2017

Back to overview ⇒ [F1.12 use Panel FSF", page 38](#).

1.13.3 Position of Fuses on Fuse Carrier 2 -ST2-, red, left hand drive, through model year 2014

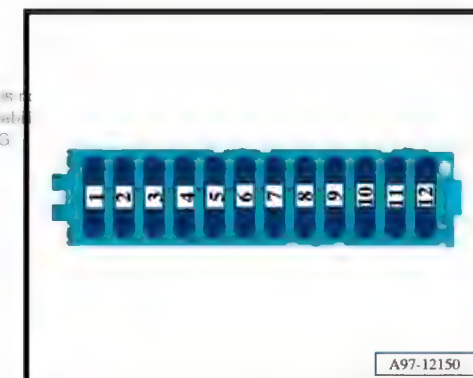


No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	25 A	Left Front Seat Belt Tensioner Control Module -J854- ¹⁾ Right Front Seat Belt Tensioner Control Module -J855- ²⁾	15
2	- Fuse 2 (on fuse panel F) -SF2-	25 A	Right Front Seat Belt Tensioner Control Module -J855- ¹⁾ Left Front Seat Belt Tensioner Control Module -J854- ²⁾	15
3	- Fuse 3 (on fuse panel F) -SF3-	20 A	Cigarette Lighter -U1- 12V-Socket -U5- Converter with Socket, 12V-230V -U13-	87
4	- Fuse 4 (on fuse panel F) -SF4-	20 A	Rear Cigarette Lighter -U9- 12- Socket 2 -U18- 12- Socket 3 -U19- 12- Socket 4 -U20-	87
5	- Fuse 5 (on fuse panel F) -SF5-	5 A	Electro-Mechanical Parking Brake Button -E538-	30
6	- Fuse 6 (on fuse panel F) -SF6-	15 A	Level Control System Control Module -J197- ³⁾ Electronic Damping Control Module -J250- ⁴⁾	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	Right Rear Door Control Module -J389-	30
8	- Fuse 8 (on fuse panel F) -SF8-	30 A	Comfort System Central Control Module -J393-	30
9	- Fuse 9 (on fuse panel F) -SF9-	30 A	Rear Lid Control Module -J605-	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A ¹⁾ 15 A ²⁾	Telephone Baseplate -R126- ¹⁾ Amplifier for Telephone -R86- ¹⁾ Left Rear Door Control Module -J388- ²⁾	30
11	- Fuse 11 (on fuse panel F) -SF11-	30 A	Digital Sound System Control Module -J525- ¹⁾ Digital Sound System Control Module 2 -J787- ²⁾	30
12	- Not used		-	

- ◆ 1) For Left-Hand Drive
- ◆ 2) For right-hand drive
- ◆ 3) Models with Level Control System (1BK/1BS/1BY/2MA)
- ◆ 4) Models with Dynamic Ride Control (1BV/2MB/2MC)

Back to overview ⇒ [F1.12 use Panel FSF ", page 38](#) .

1.13.4 Position of Fuses on Fuse Carrier 2 -ST2-, red, left hand drive, from model year 2015



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	25 A	- Left Front Seat Belt Tensioner Control Module -J854- ¹⁾ Right Front Seat Belt Tensioner Control Module -J855- ²⁾	87
2	- Fuse 2 (on fuse panel F) -SF2-	25 A	- Right Front Seat Belt Tensioner Control Module -J855- ¹⁾ Left Front Seat Belt Tensioner Control Module -J854- ²⁾	87
3	- Fuse 3 (on fuse panel F) -SF3-	30 A ³⁾ 25 A	- Reducing Agent Metering System Control Module -J880- ³⁾ Fuel Pump (FP) Control Module -J538-	87
4	- Fuse 4 (on fuse panel F) -SF4-	10 A ³⁾ 15 A	- Reducing Agent Metering System Control Module -J880- ³⁾ Subframe Mount Control Module -J931-	87 30
5	- Fuse 5 (on fuse panel F) -SF5-	1 A	- Power rear lid opener sensor -G750-	30
6	- Fuse 6 (on fuse panel F) -SF6-	15 A	- Level Control System Control Module -J197- ⁴⁾ Electronic Damping Control Module -J250- ⁵⁾	30
7	- Fuse 7 (on fuse panel F) -SF7-	30 A	- Right Rear Door Control Module -J389-	30

8	-	Fuse 8 (on fuse panel F) -SF8-	30 A	-	Comfort System Central Control Module -J393-	30
9	-	Fuse 9 (on fuse panel F) -SF9-	30 A	-	Rear Lid Control Module -J605-	30
10	-	Fuse 10 (on fuse panel F) -SF10-	15 A ⁶⁾	-	Preparation for Multimedia ⁶⁾	30
11	-	Not used		-		
12	-	Fuse 12 (on fuse panel F) -SF12-	20 A	-	Sunroof Motor -V1-	30

◆ ¹⁾ For Left-Hand Drive

◆ ²⁾ For right-hand drive

◆ ³⁾ Only Models with Reducing Agent Metering System

◆ ⁴⁾ Models with Level Control System (1BK/1BS/1BY/2MA)

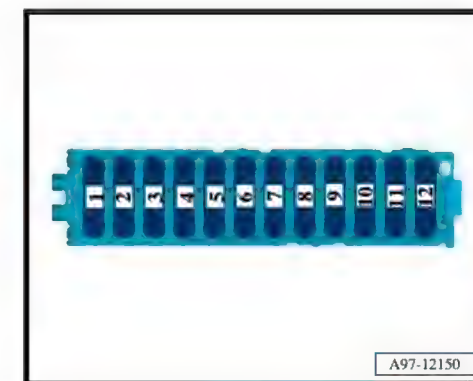
◆ ⁵⁾ Models with Dynamic Ride Control (1BV/2MB/2MC)

◆ ⁶⁾ from June 2015

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1.13.5 Position of Fuses on Fuse Carrier 3 -ST3-, brown, left-hand drive, through model year 2014



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
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1	-	Fuse 1 (on fuse panel F) -SF1-	30 A 20 A	-	Digital Sound System Control Module -J525-, MMI Digital Sound System Control Module -J525-, RMC Control Module for Information Electronics 1 -J794- Radio -R-	30
2	-	Fuse 2 (on fuse panel F) -SF2-	5 A	-	Fuel Tank Lead Detection Control Module -J909-	30
3	-	Not used		-		
4	-	Fuse 4 (on fuse panel F) -SF4-	15 A ¹⁾ 10 A ²⁾	-	Subframe Mount Control Module -J931- ¹⁾ Reducing Agent Metering System Control Module -J880- ²⁾	30
5	-	Not used		-		
6	-	Fuse 6 (on fuse panel F) -SF6-	35 A	-	Fan Activation Relay -J937- ³⁾ Battery Fan 1 -V457- ³⁾	30
7	-	Fuse 7 (on fuse panel F) -SF7-	7.5 A	-	Radio -R-, MMI	30
8	-	Fuse 8 (on fuse panel F) -SF8-	7.5 A	-	Multimedia Control Head 2 -E499- Control Module for Information Electronics 2 -J829- Multimedia Display Unit 1 -Y22- Multimedia Display Unit 2 -Y23-	30
9	-	Fuse 9 (on fuse panel F) -SF9-	5 A 15 A ³⁾	-	Automatic Day/Night Interior Mirror Relay -J910- Vehicle Battery -A2- ³⁾	30
10	-	Fuse 10 (on fuse panel F) -SF10-	5 A	-	Rear View Camera System Control Module -J772- Peripheral Camera Control Module -J928-	30
11	-	Fuse 11 (on fuse panel F) -SF11-	5 A	-	TV Tuner -R78- Digital TV Tuner -R171-	30
12	-	Not used		-		

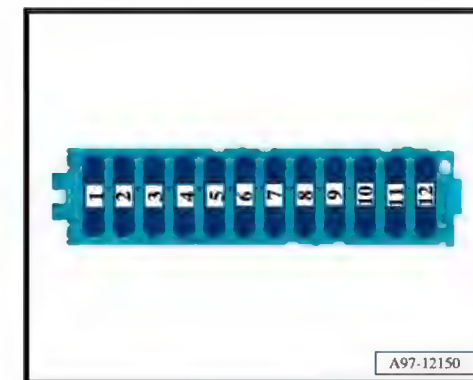
◆ ¹⁾ Only engine codes CEUC, CEUD, CTGE, CRDA, CRDB, CWUA

◆ ²⁾ Only models with Reducing Agent Metering System

◆ ³⁾ Only engine code CHJA

Back to overview ⇒ [F1.12 use Panel FSF ", page 38](#) .

1.13.6 Position of Fuses on Fuse carrier 3 -ST3- W/ SF fuse panel, brown, from MY 2015



Fuse Colors

- ◆ 40 A - orange
- ◆ 30 A - light-green
- ◆ 25 A - clear
- ◆ 20 A - yellow
- ◆ 15 A - light-blue
- ◆ 10 A - red
- ◆ 7.5 A - brown
- ◆ 5 A - light-brown

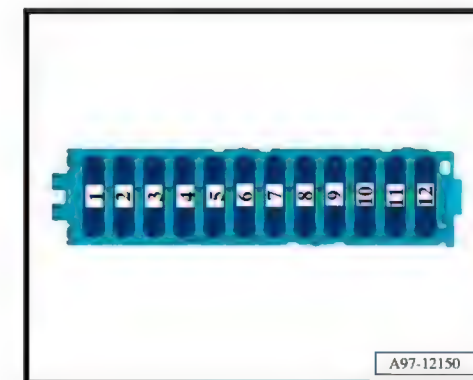
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	5 A	- Information electronics remote control 1 -E639-	30
2	- Fuse 2 (on fuse panel F) -SF2-	15 A 5 A ²⁾	- Voltage Stabilizer -J532- High voltage heater (PTC) control module -J848- ²⁾	30
3	- Fuse 3 (on fuse panel F) -SF3-	7.5 A	- Control Module for Information Electronics 1 -J794- Multimedia Control Head -E380- Automatic Day/Night Interior Mirror Relay -J910-	30
4	- Fuse 4 (on fuse panel F) -SF4-	5 A	- Rear View Camera System Control Module -J772- ¹⁾ Peripheral Camera Control Module -J928-	30
5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- TV Tuner -R78-	30

6	- Fuse 6 (on fuse panel F) -SF6-	5 A 15 A ²⁾	- Fuel Tank Lead Detection Control Module -J909- Thermal management coolant pumps relay -J1141- ²⁾ Thermal management coolant pump 4 -V620- ²⁾	30
7	- Fuse 7 (on fuse panel F) -SF7-	20 A	- Sockets Relay -J807-	30
8	- Fuse 8 (on fuse panel F) -SF8-	5 A 7.5 A ²⁾	- Auxiliary Heater RF Receiver -R64- High voltage battery charger control module -J1050- ²⁾	30
9	- Fuse 9 (on fuse panel F) -SF9-	7.5 A ²⁾	- Battery Regulation Control Module -J840- ²⁾ Hybrid Battery Unit -AX1- ²⁾	30
10	- Fuse 10 (on fuse panel F) -SF10-	5 A	- Front Passenger's Seat Lumbar Support Adjustment Switch -E177-	30
11	- Fuse 11 (on fuse panel F) -SF11-	5 A	- Control module for emergency call module and communication unit -J949-	30
12	- Fuse 12 (on fuse panel F) -SF12-	5 A	- Control Module for Information Electronics 1 -J794-	30

◆ ¹⁾ through June 2015

◆ ²⁾ Models with High-Voltage System only, from Week 47/2016

1.13.7 Position of Fuses on Fuse Carrier 4 -ST4-, green, left-hand drive, through model year 2014



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	5 A	- Power Supply Relay 2 (terminal 15) -J681-	15
2	- Fuse 2 (on fuse panel F) -SF2-	5 A	- Electro-Mechanical Parking Brake Control Module -J540-	15
3	- Fuse 3 (on fuse panel F) -SF3-	5 A	- Level Control System Control Module -J197- ¹⁾ Electronic Damping Control Module -J250- ²⁾	15

4	-	Fuse 4 (on fuse panel F) -SF4-	5 A ³⁾ 7,5 A ⁴⁾	-	Comfort System Central Control Module -J393- Selector Lever Sensor Control Module -J587- ⁴⁾ Clutch Position Sensor -G476- ³⁾	15
5	-	Fuse 5 (on fuse panel F) -SF5-	5 A	-	Parking Aid Control Module -J446- Parallel Parking Assistance Control Module -J791-	15
6	-	Fuse 6 (on fuse panel F) -SF6-	5 A	-	4-Pin Connector -T4w-, preparation for Multimedia	15
7	-	Fuse 7 (on fuse panel F) -SF7-	5 A 7,5 A ⁵⁾	-	Voltage Stabilizer -J532- Hybrid Battery Unit -AX1- ⁵⁾ Battery Separation Relay -J7- ⁵⁾	15
8	-	Fuse 8 (on fuse panel F) -SF8-	5 A	-	Lane Change Assistance Control Module -J769- Lane Change Assistance Control Module 2 -J770-	15
9	-	Fuse 9 (on fuse panel F) -SF9-	5 A	-	16-Pin Connector -T16-, diagnostic connector Vehicle Electrical System Control Module -J519-	15
10	-	Fuse 10 (on fuse panel F) -SF10-	5 A	-	All-Wheel Drive Control Module -J492-	15
11	-	Fuse 11 (on fuse panel F) -SF11-	10 A	-	Rear Window Wiper Motor -V12-, Only Avant	15
12	-	Not used		-		

◆ 1) Models with Level Control System (1BK/1BS/1BY/2MA)

◆ 2) Models with Dynamic Ride Control (1BV/2MB/2MC)

◆ 3) Models with manual transmission

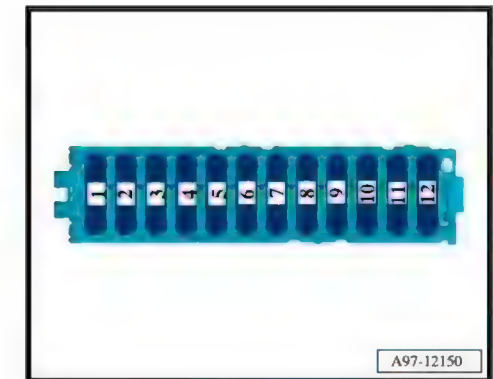
◆ 4) Models without manual transmission

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◆ 5) Only engine code CHJA

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1.13.8 Position of Fuses on Fuse Carrier 4 -ST4-, black, left hand drive, from model year 2015



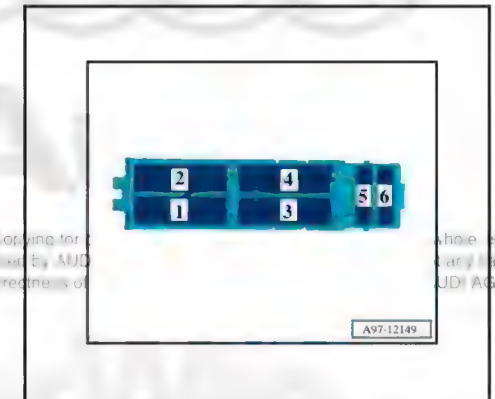
No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
1	- Fuse 1 (on fuse panel F) -SF1-	5 A	- Power Supply Relay 2 (terminal 15) -J681- Voltage Stabilizer -J532- Level Control System Control Module -J197- ¹⁾ Electronic Damping Control Module -J250- ²⁾ Electro-Mechanical Parking Brake Control Module -J540-	15
2	- Fuse 2 (on fuse panel F) -SF2-	5 A ³⁾ 7,5 A ⁴⁾	- Comfort System Central Control Module -J393- Selector Lever Sensor Control Module -J587- ⁴⁾ Clutch Position Sensor -G476- ³⁾	15
3	- Fuse 3 (on fuse panel F) -SF3-	5 A	- Rear Seat Entertainment (RSE) preparation	15
4	- Fuse 4 (on fuse panel F) -SF4-	15 A	- Vehicle Electrical System Control Module -J519- Rear Window Wiper Motor -V12-	15
5	- Fuse 5 (on fuse panel F) -SF5-	5 A	- Lane Change Assistance Control Module -J769- Lane Change Assistance Control Module 2 -J770-	15
6	- Fuse 6 (on fuse panel F) -SF6-	10 A	- Engine Sound Generator Control Module -J943-	15
7	- Fuse 7 (on fuse panel F) -SF7-	30 A 30 A 20 A	- Voltage Stabilizer -J532- Digital Sound System Control Module -J525-, MMI Digital Sound System Control Module -J525-, RMC Control Module for Information Electronics 1 -J794-	30
8	- Fuse 8 (on fuse panel F) -SF8-	5 A	- Data Bus On Board Diagnostic Interface -J533-	30
9	- Fuse 9 (on fuse panel F) -SF9-	35 A ⁵⁾ 25 A ⁶⁾	- All-Wheel Drive Control Module -J492- ⁵⁾ Vacuum Pump Relay -J318- ⁶⁾	30
10	- Fuse 10 (on fuse panel F) -SF10-	10 A	- Rear A/C Display Control Head -E265-	30

11	-	Fuse 11 (on fuse panel F) -SF11-	30 A 5 A ⁷⁾ 15 A ⁸⁾	-	Auxiliary Heater Control Module -J364- Tire Pressure Monitoring Control Module -J502- ⁷⁾ Thermal management control module -J1024- ⁸⁾	30
12	-	Fuse 12 (on fuse panel F) -SF12-	40 A 10 A ⁸⁾	-	Voltage Stabilizer -J532- High-voltage battery coolant pump relay -J1156- ⁸⁾	30

- ◆ 1) Models with Level Control System (1BK/1BS/1BY/2MA)
- ◆ 2) Models with Dynamic Ride Control (1BV/2MB/2MC)
- ◆ 3) Models with manual transmission
- ◆ 4) Models without manual transmission
- ◆ 5) Only Models without High-Voltage System
- ◆ 6) Only Models with High-Voltage System, from Week 05/2018
- ◆ 7) Only for RS Models
- ◆ 8) Only Models with High-Voltage System, from Week 47/2016

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1.13.9 Position of Fuses on Fuse Carrier 5 -ST5-, black, left hand drive, through model year 2014



No.	Designation in Wiring Diagram	Nominal Value	Function/Component	Terminal
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1	-	Fuse 1 (on fuse panel F) -SF1-	40 A	-	Level Control System Compressor Relay -J403-	30
2	-	Fuse 2 (on fuse panel F) -SF2-	40 A	-	Voltage Stabilizer -J532-	30
3	-	Fuse 3 (on fuse panel F) -SF3-	40 A	-	Rear window defogger relay -J9-	30
4	-	Fuse 4 (on fuse panel F) -SF4-	40 A	-	Voltage Stabilizer -J532-	30
5	-	Fuse 5 (on fuse panel F) -SF5-	35 A	-	All-Wheel Drive Control Module -J492-	30
6	-	Fuse 6 (on fuse panel F) -SF6-	30 A ¹⁾ 25 A ²⁾	-	Reducing Agent Metering System Control Module -J880- ¹⁾ Fuel Pump (FP) Control Module -J538- ²⁾	30

◆ ¹⁾ Only models with Reducing Agent Metering System

◆ ²⁾ Only Models with engine codes CRDA, CRDB, CWUA, CWUB

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1.14 Fuses on connector station left A-pillar

⇒ [o1.14.1 n connector station left A-pillar, left-hand drive", page 54](#)

1.14.1 Fuses on connector station left A-pillar, left-hand drive

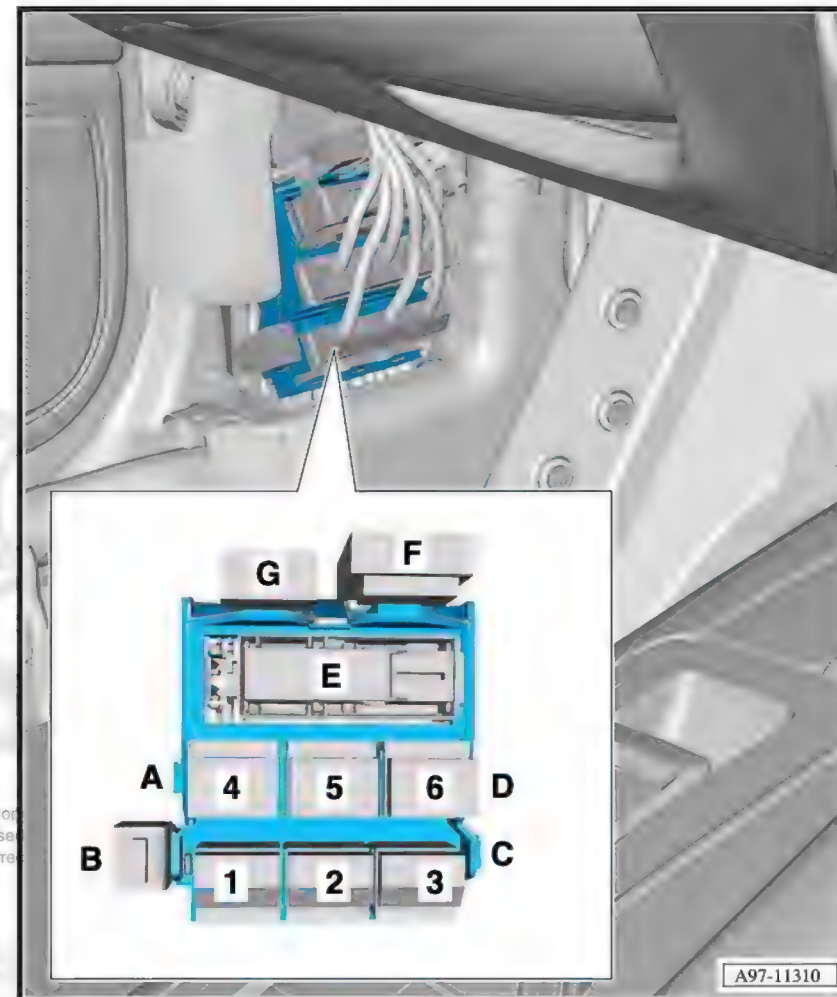
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On left lower A-pillar.

F - Driver's Power Seat Adjustment Circuit Breaker 1 -S44-, 15 A

G - Front Passenger's Power Seat Adjustment Circuit Breaker 1 -S46-, 15 A

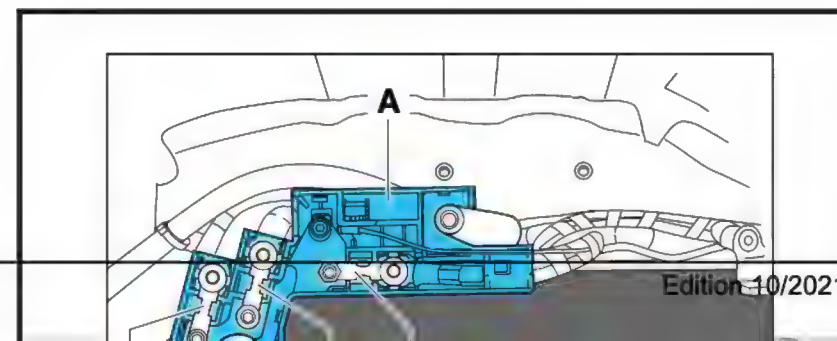
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1.15 Main fuse carrier on Battery -A-

In luggage compartment on Battery -A-.



A - Battery Interrupt Igniter -N253-

1 - Safety fuse 1 -S131-, 150 A

2 - Safety fuse 2 -S132-, 150 A through CW 43/2011

2 - Safety fuse 2 -S132-, 110 A from CW 44/2011

3 - Safety fuse 3 -S133-, 150 A

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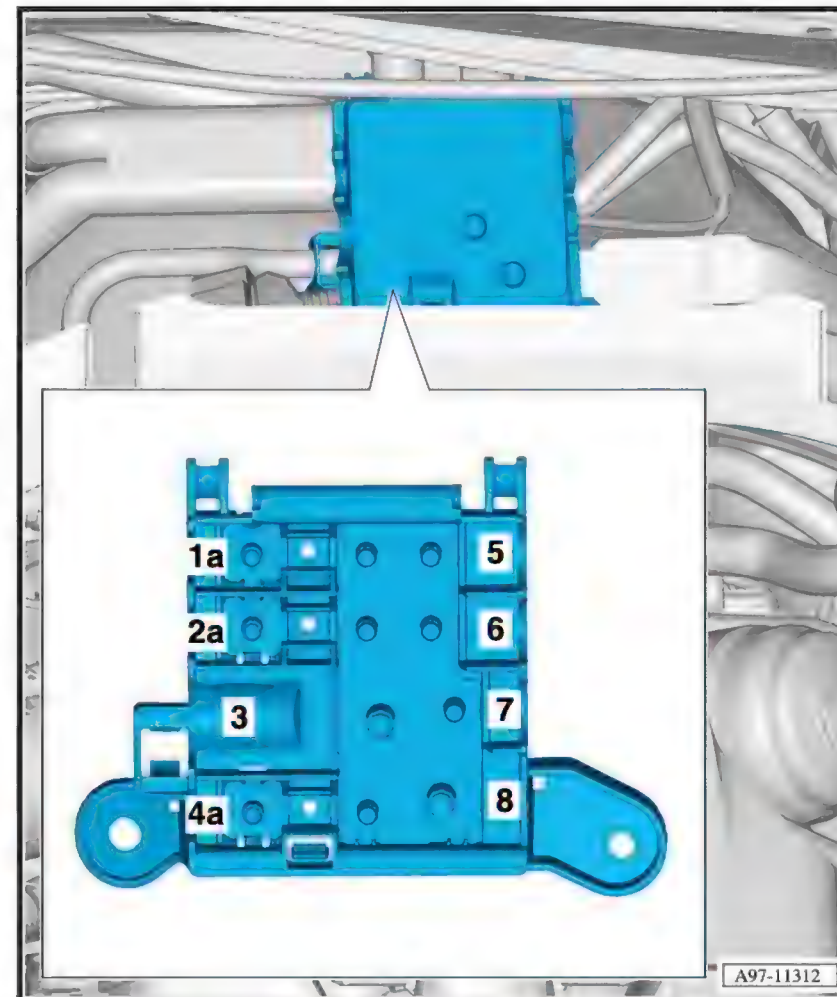
1.16 Component Location Terminal 30 Wire Junction -TV2-

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Component Location

In center plenum chamber.

- 1 - Coolant Fan Single Fuse -S42-, 40 A/60 A
 - ❑ to Coolant fan control module -J293-
- 2 - Second Speed Coolant Fan Fuse -S104-, 40 A/60 A
 - ❑ to Coolant Fan Control (FC) Control Module 2 -J671-
- 3 - to Starter -B-, Generator (GEN) -C-, Battery Jump Start Terminal -U6-
- 4 - Catalytic converter heating fuse 2 -S354-, 60 A
 - ❑ to Catalytic converter heating control module 1 -J1021-
 - ❑ Only engine code CDUD, CTCB, CTCC, CPNB, CVUA, CVUB
- 5 - to Heating Element Fuse 1 -S276-, Heating Element Fuse 2 -S277- on auxiliary relay carrier in relay carrier behind instrument panel
 ⇒ [o1.11 n auxiliary relay carrier in relay carrier behind instrument panel", page 37](#)
- 6 - to Glow Plugs Fuse -S125- (only diesel engine)/Secondary Air Injection (AIR) Pump Fuse -S130- (only gasoline engine)
- 7 - Catalytic converter heating fuse -S351-, 60 A
 - ❑ to Catalytic converter heating control module 1 -J1021-
 - ❑ Only engine code CDUD, CTCB, CTCC, CPNB, CVUA, CVUB
- 8 - Terminal 30 from Battery Interrupt Igniter -N253- on Main Fuse Carrier



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1.17 Component Location Terminal 30 Wire Junction -TV2-, models with High-Voltage System

Component Location

In center plenum chamber.



- 1 - Fuses on Wire Junction -S330-, 175 A
 - to Electric Drive Power and Control Electronics -JX1-
- 2 - Second Speed Coolant Fan Fuse -S104-, 40 A/60 A
- 3 - Coolant Fan Single Fuse -S42-, 40 A/60 A
- 4 - from Fuse 5 - terminal 30 -S208-/Wire Junction -TV1-
- 5 - to Heating Element Fuse 1 -S276-/Heating Element Fuse 2 -S277-
- 6 - to Secondary Air Injection (AIR) Pump Fuse -S130-
- 7 - Terminal 30 from Battery -A-
- 8 - from Battery Jump Start Terminal -U6-

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1.18 Component Location Terminal 30 wire junction 2 -TV22-, models with High-Voltage System

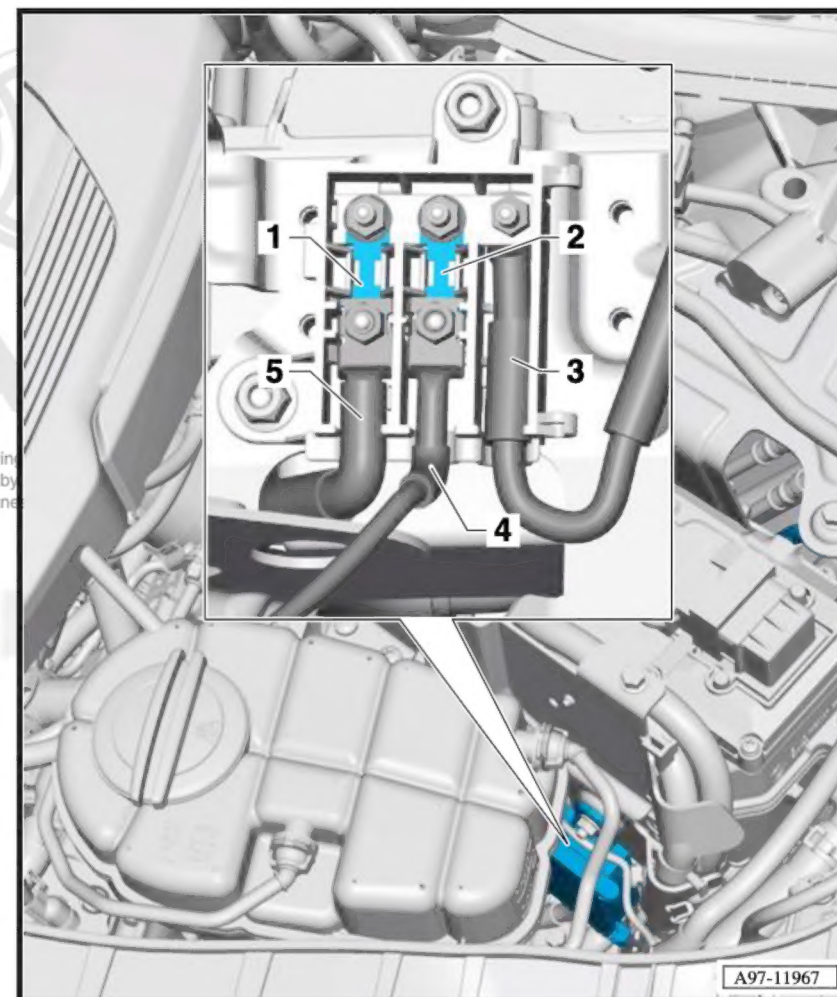
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Component Location

In front left in engine compartment on Electric Drive Power and Control Electronics -JX1-.

- 1 - Fuse 1 - terminal 30 -S204-, 175 A
- 2 - Fuse 2 - terminal 30 -S205-, 110 A
- 3 - Positive wire from Terminal 30 Wire Junction -TV2-
- 4 - Positive wire to Power Steering Control Module -J500-
- 5 - Positive wire to Electric Drive Power and Control Electronics -JX1-

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1.19 Component Location Battery Jump Start Terminal -U6-

Component Location

In engine compartment, right rear.



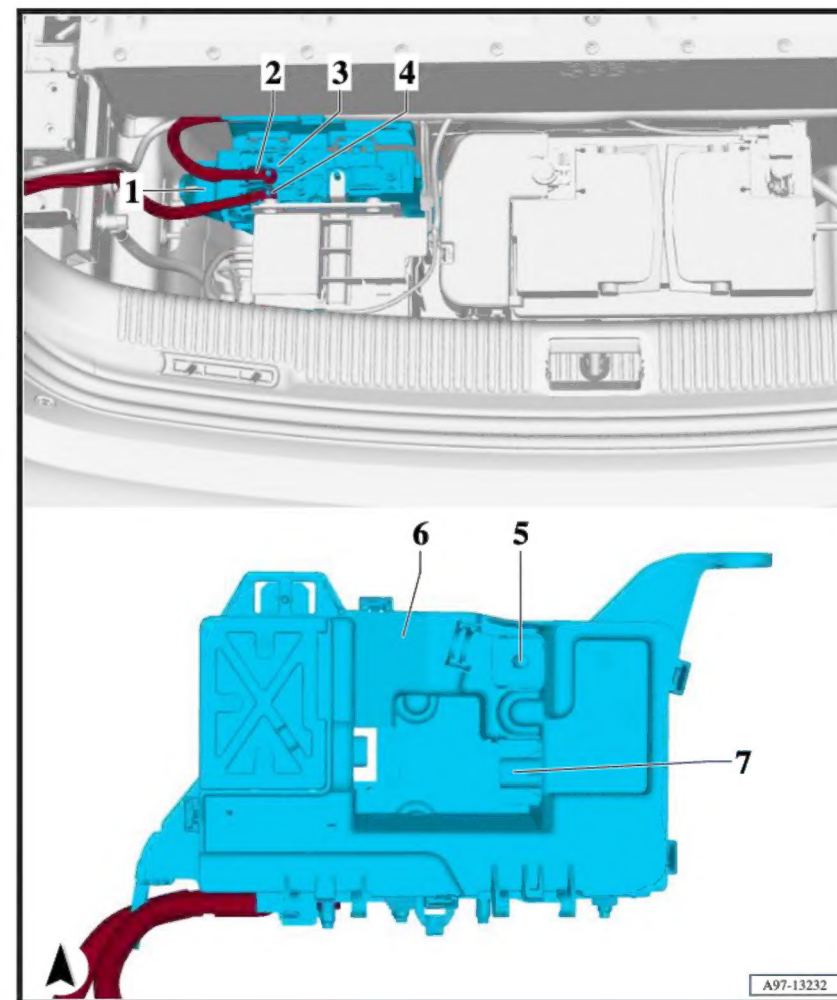
- 1 - Battery Jump Start Terminal -U6-, Plus
- 2 - Cover

Back to overview [⇒ o1.1 f Fuses", page 1](#) .

1.20 Component Location Wire Junction -TV1-, Models with High-Voltage System, from Week 47/2016

- 1 - Wire Junction -TV1-
- 2 - Fuse 6 - terminal 30 -S209-, 200 A
- 3 - Fuse 4 - terminal 30 -S207-, 150 A
- 4 - Fuse 5 - terminal 30 -S208-, 150 A
- 5 - Positive wire from Auxiliary Battery -A1-
- 6 - Battery Separation Relay -J7-
- 7 - 2-Pin Connector -T2mw-

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